



100  
H. Pittier

Plants collected in Guate-  
mala, March-June 1905

Colombia

Nos. 511 - ~~4727~~ 1539

1726 and 1727

Nos. 1555 - ~~2077~~ 1723

2076 and 2077

Panama 1724 - 1725



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Central-America

(Panama; Guatemala - March-June 1905)



n° 1 - *Pereskia*

- 2 - *Gossypium*

- 3 - *Nephrolepis exaltata*

> Cola de Quetzal.

- 4 - *Acalypha alopecurioides* Jacq.

> n.v.: Hierba del cancer

- 5 - *Evolvulus villosus* R. & P.

- 6 - *Senecio salignus* D.C.

> n.v. Flor de dolores

- 7 - *Eupatorium leucocephalum* Benth.

> n.v. Chilca or chilco

- 8 - *Peperomia galioides* Kunth

- 9 - *Timmiella subanomala* (Berch.) Broth.

- 10 - *Tuna arachnoidea* Robinson

- 11 - *Gynerium Galeottii* Cogn.

- 12 - *Ceanothus azureus* Desf.

*Ceanothus*

Cactac. Panama City, in hedges. March. 1905 - Live fruits sent to  
r. Rose. A small tree,  $\pm 2.5^m$  high. Collected again Nov. 29, 1905

Malv. Near Panama City. March 1<sup>st</sup> 1905 - A tree-cotton,  $\pm 2.5$  high  
with flat crown, loaded with fruits.

Polypod. Guatemala City, 1400<sup>m</sup> April 13<sup>th</sup> 05. Frequently cultivated  
as ornamental, on account of its very long fronds.

Euphorb. Guatemala City, 1400<sup>m</sup> April 13<sup>th</sup> 05. A little bit of sample,  
sufficient for identif. - Named after supposed properties.

Convolv. Savannas around Guatemala, March 26, 1905. Flowers small,  
sky-blue. Little bit for identification.

Composit. Common in hedges around Guatemala, <sup>1400<sup>m</sup></sup> fl. March. 1905. Named on acc<sup>t</sup>  
of its flowering during "La semana de Dolores". Used for wreaths, etc.

Composit. Around Guatemala City, 1400<sup>m</sup> March 17<sup>th</sup> 1905. Characteristic for  
cool places. Bushy, 1-2<sup>m</sup> high. Used for wreaths.

Piperac. Forest zone, Volcan de Agua, Guatemala, March 22<sup>d</sup> 1905.  
Epiphytic.

Musci Forest zone, V. de Agua, Quatem., March 22<sup>d</sup>, 1905.

Composit. Medium & superior zones, V. de Agua, Quatem.  
March 22<sup>d</sup>, 1905. Small tree, bushy, 1-1.5 high.

Cucurbit. Forest zone - Vol. de Agua, Quat. March. 22<sup>d</sup> 1905.

~~Composit.~~ Pine zone, V. de Agua, Quat. March. 22<sup>d</sup> 1905.

Rhamnaceae ~~Moraceae~~ Seen at "La Cuesta de la Cara", above "La Antigua", at about 1200  
Large altitudinal range. Small, bushy tree, up to 2<sup>m</sup> high.



13. *Litsea glaucescens* H.B.K. Lauraceae? 9<sup>th</sup> Maria at the foot of Volcan de Agua, 1, March 22<sup>d</sup> 1905.  
 > n.v. Laurel  
 all tree, 6-8<sup>m</sup> high. Leaves used as condiment.  
 forest zone, V. de Agua, , Guatem. March. 22<sup>d</sup> 1905.
14. *Berberis* Berberidac.  
 bush ± 1.5<sup>m</sup> high. - Fl. yellow.
15. *Adiantum glaucophyllum* Filices. forest zone, V. de Agua, , Guatem., March. 22<sup>d</sup>, 1905.
16. *Monnina costaricensis* Chodat. Polygalaceae forest zone, V. de Agua, , Guatem. March 22<sup>d</sup>, 1905.  
 slender tree, more or less bushy, 1.5-2m. high. Fl. blue.
17. *Salvia cinnabarina* Mez & Pl. Labiatae forest zone, V. de Agua, , Guatem. March 22<sup>d</sup>, 1905.  
 small whole tickets, over 2<sup>m</sup> high, in clearings. Fl. red.
18. *Fuchsia baccularis* Onagrariaceae forest zone, V. de Agua, , Guatem. March. 22<sup>d</sup>, 1905.  
 small tree, 1-3<sup>m</sup> high.
19. *Salvia involucrata* Cav. Labiatae forest zone, V. de Agua, , Guatem. March 22<sup>d</sup>, 1905.
20. *Lopezia ramosa* Cav. ? Onagrariaceae forest zone, V. de Agua, , Guatem. March 22<sup>d</sup>, 1905.  
 fields, among cultivated places.



21. *Asplenium monanthos* L.

Filices. Forest zone, Volcan de Agua, Guatemala, March 22<sup>d</sup> 1905.

22. *Blaphoglossum*

Filices. Altered rocks near the top of Volcan de Agua, Quatem.  
March 22<sup>d</sup>, 1905

23. *Blaphoglossum*

Filices Altered rocks, upper region of Volcan de Agua, Quatem.  
March 22, 1905.

24. *Polypodium heteromorphum* Hook. & Gray.

Filices Altered rocks, upper region of Volcan de Agua, Quat.  
March 22, 1905. Scarce and delicate.

25.

Filices Altered rocks, upper region of Volcan de Agua, Quatem.  
March 22, 1905.

26.

Polypodiaceae zone, Volcan de Agua, Quatem. March 22, 1905.  
epiphytic.

27. *Blaphoglossum*

Filices. Up rocks, upper zone of V. de Agua, Quatem. March 22<sup>d</sup> 05.

28. *Goniophlebium*

Polypodiaceae forest, middle region of V. de Agua, Quatem. March 22, 05.  
epiphytic.



29. *Bauhinia*

Gramineae

Superior belt of pine region, Volcan de Agua, Guatemala  
March 22<sup>d</sup>, 1905.

30. *Weldenia candicans*

Commelinaceae

Dried bottom of crater lake, and slopes around same, Volcan de Agua,  
Guatemala, March 22, 1905. Tuberos. Remains of leaves numerous on bottom  
of lake.

31. *Peperomia leptostachya* Hook. & Arn. Piperaceae

Forest zone, V. de Agua, Quatem., March 22.05. - Epiphytic.

32. *Rubus trilobus* M. & L. v. *guatemalensis* P. K. Rosaceae

Forest zone, V. de Agua, Quatem. March. 22.05. - Forms  
erect bushes and is neither climbing nor creeping; no thorns.

33. *Begonia serrulata* ~~alata~~ C. D. C. sp. n. Begoniaceae  
in Bull. Herb. Aris. Ser. 2, 8, 321. 1908.

Forest zone, V. de Agua, Quatem. March. 22.05.

34.

Umbelliferae

Superior belt of forest zone, V. de Agua, Quatem. March 22<sup>d</sup>, 05.

35.

Umbelliferae

Superior region of V. de Agua, Guatemala - March 22<sup>d</sup>, 05.

36

Umbelliferae

Forest zone, V. de Agua, Guatemala - March 22<sup>d</sup>, 05.



37. *Castilleja* Scrophulariaceae Upper zone of Volcan de Agua, , Guatemala, March 22<sup>d</sup> 05.

38. *Castilleja pectinata* M. & Gal. Scrophulariaceae. Upper zone, V. de Agua, , Quatem. - March 22<sup>d</sup> 05.

39. *Halenia gracilis* Griseb. Gentianaceae Upper zone, V. de Agua, , Quatem. March. 22<sup>d</sup> 05.

40. *Oreostaphylos pungens* H. B. K. Ericaceae Upper zone, V. de Agua, , Quatem. March. 22<sup>d</sup> 05.  
var. *cratericola* Donn-sm.

41. *Gaultheria hirtiflora* Benth. Ericaceae Upper zone, V. de Agua, , Quatem. March. 22<sup>d</sup> 05.

42. *Leptodontium perannulatum* Williams *Musci* Sheltered rocks, upper zone, V. de Agua, , Quatem. March 22<sup>d</sup> 05.  
n. sp.

43. *Lamprolaima pectinata* Ch. & Ch. Scrophulariaceae Forest zone, V. de Agua, , Quatem. March 22<sup>d</sup> 05.  
Long, trailing stems, Fl. red.

44. *Fuchsia splendens* Zucc. ~~Compositae~~ Forest zone, V. de Agua, , Quatem. March 22<sup>d</sup> 05.



45- *Hypericum epigeum* Rob. Keller

Guttiferaceae

Upper zone, of Volcan de Agua,

, Guatemala, March 22<sup>d</sup>, 05.

46- *Gnaphalium rhodanthum* L. & B. Compositae

Upper zone, Volcan de Agua,

, Guatemala, March 22<sup>d</sup>, 05.

47- *Oserbia stolonifera* (L.f.). Compositae

On rocks, upper zone, V. de Agua,

, Guatem., March 22, 05.

48- *Oenothera cuprea*?

Oenotheraceae

Upper zone, V. de Agua,

, Guatem. March 22<sup>d</sup>, 1905.

49- *Arctostaphylos oxacana* S.L. - Ericaceae

Near Sta Maria de la Antigua,

, at the foot of V. de Agua, Guat.

> n.v.: Palo jiote (?)

March 22<sup>d</sup>, 05. - Tree with flat crown, 4-5 m. high.

50- *Chiranthodendron platanioides* Bombacaceae

> n.v. Palo de taguyo

Characteristic for the lower zone of V. de Agua, up to the pine region, above the oaks. Larger leaves used to wrap "tamales". - March 22<sup>d</sup>, 1905.

51- *Chenopodium ambrosioides*

Chenopodiaceae

> n.v.: Hediondilla - Paletilla

La Antigua, 1100 m., Guatemala, March 23<sup>d</sup> 1905. Used in plaster form to cool down inflamed sores.

52- *Solanum nigrum* L. Solanaceae.

> Maj Rui - Ma Rui - Ma Ruxi (Cakchikel).

La Antigua, 1100<sup>m</sup>, Guatemala, March 23<sup>d</sup> 1905. Used as green, in the same way we do spinach.



53. *Crotalaria longirostrata* H. & A. Leguminosae  
> n.v.: Chipilín

Bought in the Market, at La Antigua, Guatemala.  
March 23<sup>d</sup>, 1905. Same use as n° 52.

54 Rubiaceae?

Cuesta de La Caña, 1600<sup>m</sup>, between La Antigua & Sta Lucia,  
Guatemala, March 23<sup>d</sup>, 1905. Shrub, 1.5<sup>m</sup> - 2<sup>m</sup> high.

55. *Alnus acuminata* H. B. K.  
> n.v.: Palo de lama; Sapuyul (ca Rechi Kel?).

Mixco, 1700<sup>m</sup>, Guatem., March 23.05.

56 ~~Urtica~~ *chamaedryoides* Benth. ? Urticaceae  
> n.v.: Chichicastle

San Rafael, on the road from Mixco to La Antigua, 1500<sup>m</sup>,  
Guatemala, March 23<sup>d</sup>, 05. Garden weed.

57. *Melampodium oblongifolium* DC. Compositae

Along roads and in cultivated fields, Miramar, 1000<sup>m</sup>, Costa  
Buca, Guatemala, April 1905.

58. *Eupatorium populifolium* H. B. K. Compositae  
> Rechi = h'atse';

Miramar, 1000<sup>m</sup>, Costa Buca, Guatemala, April 3<sup>d</sup>, 1905. A small  
tree, 2-3<sup>m</sup> high, used to build up hedges.

59. *Melampodium divaricatum* DC. Compositae  
> n.v.: Flores amarilla

A weed in coffee plantations; called a good, uprething plant by  
planters.  
Miramar, 1000<sup>m</sup>, Costa Buca, Guatemala. April 1905.

60. *Galinsoga parviflora* Cav. Compositae

Miramar, 1000<sup>m</sup>, Costa Buca, Guatemala, April 1905. A  
weed, in cultivated places, considered as good by planters.



61. *Senecio candellariae* Benth. Compositae

In the bushes, at Miramar, 1000<sup>m</sup>, Costa Rica, Guatemala, April 1905.

62. *Tectaria trifoliata*<sup>a</sup> (L.). Filices

Bushy and cool places around Miramar, 1000<sup>m</sup>, Costa Rica, Guatemala, April 1905.

63. *Dennstaedtia* Filices

Gorge of Rio *S<sup>to</sup> Domingo*, near Miramar, 1200<sup>m</sup>, Costa Rica, Guatemala, April 1905.

64. } *Elleophila*  
} *Cyatheaceae*

Around Miramar, 1000<sup>m</sup>, Costa Rica, Guatemala, April 05.  
Tree-fern.

65. *Diplazium plantaginifolium*<sup>folium</sup> (L.) Filices

Rocky, shady and deep gorge of Rio *S<sup>to</sup> Domingo*, above Miramar, Costa Rica, Guatemala, April 1905.

66. *Guarea trompillo* C. D. sp. n. Meliaceae  
    > n. v.: *trompillo*

Around Miramar, 1000<sup>m</sup>, Costa Rica, Guatemala, April 05.  
A small tree, 8-10<sup>m</sup> high. Used for building purposes.

67. *Colubrina celtidifolia* Schlecht. Boraginaceae  
    > n. v.: *Cox-tek, coste*

Around Miramar, 1000<sup>m</sup>, Costa Rica, Guatemala, April 1905. Extensively used as wind-breaker. A long, spindling tree, 15-20<sup>m</sup>. Timber for "horcones".

68. *Inga leptopoda* Lahl. Leguminosae  
    > n. v.: *Ixcapirol*

In plantations and forests around Miramar & Las Mercedes, 1000-1500<sup>m</sup>, Costa Rica, Guatemala - Fr. April 1905. Used sometimes, although not extensively, as coffee-shade.



69. *Toluidera Pereira* (Klotzsch) Baill. Leguminosae.

> n.v.: Palo de Balsamo.

70. *Solanum mazatenangense* Benth. Solanaceae.

> Kix-tan (mam or cakchiquel).

71. *Juanilloa Sargii* Donn. Sm.

~~Manduca~~

72. *Solanum*

Solanaceae

73. *Tonidium occultum* Polak. Violaceae

74.

Ciliaceae

n.v.: capulin blanco; kekchi = ts'ahib'(?)

75. *Xylosma*

Flacourtiaceae

n.v.: Punterzapát; punta de zapato?

76. *Allophylus occidentalis* Radlk. Sapindaceae?

Miramar, 1000<sup>m</sup>, Costa Rica, Guatemala, fr. April 05. A lofty tree, probably planted, although that species is said to have been common in the forests, previously to their destruction.

Miramar, 1000 m., Costa Rica, Guatemala, Apr. 2<sup>d</sup>, 05.

Fl. grandes, blancas; eaten as green vegetable.

Between Miramar & Coatepeque, 600<sup>m</sup>, Costa Rica, Guatemala, April 4<sup>th</sup> 1905. Epiphytic. Fl. orange-yellow.

Miramar, 1000<sup>m</sup>, Costa Rica, Guatemala, April 05.

A bush, 1.5-2<sup>m</sup> high. Fl. yellowish-white, very numerous.

Miramar, 1000<sup>m</sup>, Costa Rica, Guatemala, April 1905.

In plantations.

Miramar, 1000<sup>m</sup>, Costa Rica, Guatemala, April 1905. A middle sized tree, varying in form; fl. purple. The fiber of the bark is used by the natives for cords, etc.

Around Miramar, 1000<sup>m</sup>, Costa Rica, Guatemala, April 1905. Used for hedges.

Around Miramar, 1000<sup>m</sup>, Costa Rica, Guatemala, April 05.

Small tree, greenish flowers.



77. *Tabernaemontana arborea* D.S. Apocynaceae  
    > Chicle or Palo copal

78. *Gonolobus*                      Asclepiadaceae

79 *Miconia*                      Melastomaceae

80 *Conostegia lanceolata* Cogn.      Melastomaceae

81                      Lauraceae  
    n.v. : tepeaquacate

82 *Casearia*                      Flacourtiaceae

83. *Piper medium* Jacq.              Piperaceae  
    > n.v. : cordoncillo

84. *Hyptis capitata* Ch. & Khl.      Labiatae  
    (Mesosphærum).

Caballo Blanco; 300<sup>m</sup>, Costa Rica, Guatemala; April 10, 05.  
Tree, with an almost flat, spreading crown; diam. of  
trunk  $\pm$  35 cm, with 2,50 up to the first limbs.

In bushes around Miramar, 1000<sup>m</sup>, Costa Rica, Quat., Apr. 05.

Bushes around Miramar, 1000<sup>m</sup>, Costa Rica, Quatem., April 05.  
Characteristic for the middle zone of Pacific slope.

Bushes around Miramar, 1000<sup>m</sup>, Costa Rica, Quatem. April 05.  
Same as foregoing.

Las Mercedes, 1200<sup>m</sup>, Costa Rica, Quatem., April 1905.  
Used as coffee shade.

In thickets around Miramar, Costa Rica, Quatem. April 05.

Around Miramar, 1000<sup>m</sup>, Costa Rica, Quatem. April 1905.

Around Miramar, 1000<sup>m</sup>, Costa Rica, Quatem. April 1905.  
In waste places, near buildings, etc.



77 85-

Acanthaceae

Near Miramar, 1000<sup>m</sup>, Costa Rica, Guatem. April 1905.

78 86 - *Aspidosperma megalocarpum* - Apocynaceae.  
n.v.: Chichica

In hedges and windbreakers around Miramar, 1000<sup>m</sup>, Costa Rica, Guatemala, April 1905 (fr.) - A tree, 12-15<sup>m</sup> high, 30-40 cm. diam.

79 87 - *Dorstenia Houstoni* L.

Urticaceae

In cool, damp places, around Miramar, 1000<sup>m</sup>, Costa Rica, Guatemala, April 1905.

80 88 - *Gossypium*

Malvaceae

Cultivated below Miramar, 900<sup>m</sup>, Costa Rica, Guatem. - Coll. April 4. 05. Said to be the old, Indian cotton!

81 89 - *Acalypha polystachya* Jacq. Euphorbiaceae

Around Miramar, 1000<sup>m</sup>, Costa Rica, Guatem. April 05. Forms bushes, about 2<sup>m</sup> high.

82 90 - *Aristolochia pilosa* H. B. K.

Aristolochiaceae

Waste places around Miramar, Costa Rica, Guatem. April 4. 05

n.v.: Sombrecito; hediondilla; - hi-Rak

83 91 -

Alga ! Puccinia!  
Lichens!

Around Miramar, 1000<sup>m</sup>, Costa Rica, Guatem. April. 05.

84 92 - *Cinchona succirubra*  
n.v. quina

Rubiaceae.

Planted in hedges and wind-breakers around the coffee plantations of Costa Rica, by order of the Guatemala Government. The Indians use the bark extensively. It looks hardy and reproduces itself. Spindling tree, 15-20<sup>m</sup> high.



77 93 - *Gonzalea panamensis* Rus. Rubiaceae La. Esmeralda, 1600<sup>m</sup>, Costa Rica, Guatemala, April 05.

70 94 - *Cracca bicolor* Mich. Leguminosae La Laguna, Lake Amatitlan, 1250<sup>m</sup>, Guatemala, April 15<sup>th</sup> 05.  
Waste places along the shore.

71 95 - *Belagancea atropurpurea* Leguminosae La Laguna, Lake Amatitlan, 1250<sup>m</sup>, Quatem. April 15<sup>th</sup> 05.  
*Phaseolus*

81 96 - *Acacia Farnesiana* Willd. Leguminosae La Laguna, Lake Amatitlan, 1250<sup>m</sup>, Quatem. April 15<sup>th</sup> 05.  
Small, bushy tree, growing in gravelly places along shore. Fl. yellow.

81 97 - *Acacia spadicigera* Ch. & Ch. Leguminosae La Laguna, Lake Amatitlan, 1250<sup>m</sup>, Quatem., 15 April 05.  
Small tree, forming dense thickets along the shore.

82 98 - *Mimosa asperata* L. Leguminosae La Laguna, Lake Amatitlan, 1250<sup>m</sup>, Quatem. Apr. 15. 05  
Trailing.

81 99 - *Meibomia scorpiurus* (Sw.) O. K. Leguminosae La Laguna, Lake Amatitlan, 1250<sup>m</sup>, Quatem. Apr. 15. 05

81 100 - *Trichilia parvifoliola* C. DC. Meliaceae El Cerrito, on ~~the~~ Lake Amatitlan 1300<sup>m</sup>, Quatem. Apr. 15 05.  
Small tree, greenish flowers.



- 71 101 - *Panicum paspaloides* Pers. Graminae La Laguna, Lake Amatitlan, 1250<sup>m</sup>, along the shore, April 15<sup>th</sup>, 1905.
- 7 102 - *Andropogon argenteus* S.C. Graminae La Laguna, Lake Amatitlan, 1250<sup>m</sup>, Guatem. April 15.
- 7 103 - *Pluchea odorata* Cass. Compositae La Laguna, Lake Amatitlan, 1250<sup>m</sup>, Guatem. April 05.
- 8 104 - *Tridax procumbens* L. Compositae La Laguna, Lake Amatitlan, 1250<sup>m</sup>, Guatemala, April 1905.  
In bare, gravelly places.
- 8 105 - Solanaceae? El Cerrito, between La Laguna & Amatitlan, 1350<sup>m</sup>, Guatem. April 1905.  
Low bush, with the habitus of a *Capricum*.
- 8 106 - *Lippia* <sup>nodiflora</sup> ~~geminata~~ Benth. Verbenaceae La Laguna, Lake Amatitlan, 1250<sup>m</sup>, Guatemala - April 1905. On the beach.
- 8 107 - *Heliotropium indicum* L. ? Boraginaceae Between La Laguna & Amatitlan, 1300<sup>m</sup>, Guatem. April 15, 1905  
A bushy shrub, ± 1<sup>m</sup> high. Fl. white.
- 8 108 - *Nicotiana plumbaginifolia* Viv. Solanaceae On the gravelly beach along Lake Amatitlan, at La Laguna, 1250<sup>m</sup>, Guatem. April 15, 1905. Fl. yellowish white.



- 71 109. *Urea microcarpa* Wedd. Urticaceae El Cerrito, between La Laguna & Amatitlan, 1300<sup>m</sup>, Guatem.  
 April 15, 1905. In hedges. Small tree, about 3<sup>m</sup> high.
- 71 110. *Ficus padifolia* H.B.K. Moraceae Hills between La Laguna & Amatitlan, 1350<sup>m</sup>, Guatemala, Apr. 15. 05.  
 Small tree, with flattened crown.
- 71 111. *Monniera Monniera* (L.) Britton Scrophulariaceae Gravelly beach at La Laguna, Lake Amatitlan, 1250<sup>m</sup>, Guatemala, Apr. 05.  
 Fl. purplish.
- 8 112. *Casearia corymbosa* H.B. & K. Flacm. tiaceae On the hills between La Laguna and Amatitlan, 1350<sup>m</sup>, Guatem. Apr. 05.  
 Small tree in hedges and bushes. Fl. white
- 8 113. Combretaceae Hills between La Laguna and Amatitlan, 1350<sup>m</sup>, Guatem. April 15, 1905.  
 Small tree, 3-4<sup>m</sup> high.
- 8 114. *Boerhaavia viscosa* L. Rodr. Nyctagynaceae On the beach at La Laguna, Lake Amatitlan, 1250<sup>m</sup>, Guat. April 15, 1905.  
 Fl. deep purple.
- 8 115. *Jatropha Curcas* L. ? Euphorbiaceae In hedges at La Laguna, Lake Amatitlan, 1250<sup>m</sup>, Guat. April 15, 1905.  
 > n.v.: piñón; Kekchi = sakilte'  
 The interior of the nuts is eaten by the natives.
- 8 116. *Jatropha urens* L. Euphorbiaceae Along the beach, between La Laguna & Amatitlan, 1250<sup>m</sup>, Guat. April 15, 1905.  
 > n.v.: chichicaste; kekchi = kuesan  
 A small tree, 2-3<sup>m</sup> high, characteristic of the hedges, in middle region, 800-1600<sup>m</sup>, all over the country. Fl. white, large.



71 117. *Blechnum capitata* R. Br. Cyperaceae

Damp places at La Laguna, Lake Amatitlan, 1250', April 15<sup>th</sup> 1905.

71 118. *Scirpus californicus* (L. R. Meyer) Britton Cyperaceae

In the water at La Laguna, Lake Amatitlan, 1250', April 15<sup>th</sup> 1905.

71 119 *Jussiaea repens* L. Oenotheraceae

Damp places at La Laguna, Lake Amatitlan, 1250', Quat. April 15. 1905.

8 120 *Jussiaea pilosa* H. B. K. Oenotheraceae

Damp places at La Laguna, Lake Amatitlan, 1250', Quat. April 1905.

Bushy, ramulate, 1.50 high, with a somewhat trailing habit.

8 121 *Tribulus maximus* L. Zygophyllaceae.

La Laguna, Lake Amatitlan, 1250'. Guatemala, April 1905.

Fl. pale yellow.

8 122 *Ceciba grandiflora* Gaertn. Bombacaceae  
n.v.: ceibo

El Cerro, between La Laguna & Amatitlan, 1300', Guatemala.

April 15<sup>th</sup> 1905. - A large tree, with a round crown. Thorns on trunk and limbs.

8 123 *Bursera Palmeri* Watson Burseraceae  
n.v.: copal

El Cerro, between La Laguna & Amatitlan, 1300', Quatem. April 15<sup>th</sup> 1905.

A tree, irregularly shaped, about 6' high. Contains in bark and folial glandulae an odoriferous resin.

8 124 Bignoniaceae.

El Cerro, between La Laguna & Amatitlan, Quatem. April 15 1905.

A vine; fl. yellow.



- 7 125. *Yethamerium sempivides* Linden. Acanthaceae In bushes at El Cerito, between La Laguna & Amatitlan, 1300<sup>m</sup>, Guatem.  
April 15, 1905. Fl. pale yellow.
- 7 126. ~~Hypoxis~~ *Crinum embescens*. Amaryllidaceae Dry rocks along shore near La Laguna, Lake Amatitlan, 1250<sup>m</sup>,  
Guatem. April 1905.
- 7 127. Orchidaceae La Laguna, Lake Amatitlan, 1250<sup>m</sup>, Guatem. April 1905.
- 8 128. Melastomaceae Alto de Chuacús, 1600<sup>m</sup>, near Salamá, Guat. April 19, 1905.
- 8 129. *Quercus* Fagaceae Forests between Chiquin & Tropiche Grande,  $\pm 1000^m$ , road  
n.v.: Encino from Guatemala to Salamá, Guatem. April 29<sup>th</sup> 1905. One of the  
dominating species in forests, 500-1500<sup>m</sup>.
- 8 130. *Quercus reticulata* H. B. & K. Fagaceae Forests between Chiquin & Tropiche Grande,  $\pm 1000^m$ , Guatem. A-  
pril 29<sup>th</sup> 1905. Same as anterior as to frequency.
- 8 131. *Quercus* Fagaceae Cuesta de Chuacús, 1300<sup>m</sup>, near Salamá, Guatemala, Apr. 19.05
- 8 132. *Manihot angustiloba* Muell. Euphorbiaceae Cuesta de Chuacús, 1500<sup>m</sup>, near Salamá, Guatem., April 19, 1905.  
Diminute species, growing in cleft rocks.



*Stemmadenia mollis* Benth.

- 7 133. (*Tabernaemontana*) Apocynaceae  
n.v.: cojón

Characteristic for the region, between Chiquín & Las Canoas, 500-1200<sup>m</sup>, Guatemala - Apr. 19, 1901. A small tree, 2-4<sup>m</sup> high, fl. yellowish white.

- 7 134. *Cordia mollifolia* Pittier Boraginaceae

Between Chiquín & Trapiche Grande, 900<sup>m</sup>, Guatemala, 19 Apr. 05.

- 7 135. *Ruellia geminiflora* H.B.K. Acanthaceae

Between Chiquín & Trapiche Grande, 900<sup>m</sup>, Guat., April 19, 1905

- 8 136. Hippocratiaceae  
Lamiaceae

Between Chiquín & Trapiche Grande 800<sup>m</sup>, Guat. April 19, 1905.

A small, low tree, with broad, flattened crown and dense ramification.

Fl. yellowish.

- 8 137. *Hechtia guatemalensis* Mez - Bromeliaceae  
n.v.: Piña de coche (Piña)

San Bernardo, 600<sup>m</sup>, between Trapiche Grande & Canoas, Guat.

April 19, 1905. Forms extensive thicket.

- 8 138. *Abutilon Pittieri* Donn. Smith Malvaceae  
n.v.: cohóp, or cohope

El Puente, near Las Canoas, 500<sup>m</sup>, Guatemala, April 1905. A shrub, about 1.5-2<sup>m</sup> high, common in thickets of lower region.

- 8 139. *Cologania procumbens* Leguminosae

Cuesta de Chuacús, 1300<sup>m</sup>, between Las Canoas & Salamá, Guatem.  
April 1905 - Fl. purplish.

- 8 140. *Lophysa robinoides* Benth. Leguminosae

Cuesta de Quililhá, 1200-1500<sup>m</sup>, between Salamá & Purulhá, Guatem.  
April 21<sup>st</sup> 05. A low stunted shrub, on slopes exposed to sweeping winds.

Fl. yellow.



- 71 141. *Lonchocarpus meistophyllus* Dm. Sm. Leguminosae Cuesta de Quililhá, 1200-1500<sup>m</sup>, between Salamá & Puculhá, Quatem.  
April 21<sup>st</sup> 1905. A dwarfed shrub, see n° 140.
- 71 142. *Pithecolobium glomeratum* Benth. Leguminosae Cuesta de Quililhá, 1200-1500<sup>m</sup>, between Salamá & Puculhá, Quat.  
April 21<sup>st</sup> 1905. A dwarfed shrub; see above.
- 71 143. *Annerlia Luehzei* J. Dm. Sm. Leguminosae Cuesta de Quililhá, 1200-1500<sup>m</sup>, between Salamá & Puculhá, Quatem.  
April 21<sup>st</sup> 1905. Fl. snow white, calyces yellowish. A dwarfed shrub.
- 8 144. *Echites tubiflora*, Mart. & Gal. Apocynaceae Alto de la Cuesta de Cachil, 1600<sup>m</sup>, near Salamá, Quat. Apr. 21. 05.  
A vine, with yellow flowers; seems to be very scarce.
- 8 145. *Senecio Deppeanus* Hemsl. Compositae Cuesta de Cachil, 1200-1600<sup>m</sup>, between Salamá & S<sup>to</sup> Tomás, Quatem.  
April 21<sup>st</sup>, 1905. Characteristic of the bare, wind swept slopes.
- 8 146. *Porophyllum ellipticum* Cass. Compositae Cuesta de Quililhá, 1200-1500<sup>m</sup>, between S<sup>to</sup> Tomás & Puculhá, Quat.  
April 21<sup>st</sup>. Fl. pink.
- 8 147. *Hidalgoc ternata* (L.) Compositae Between Puculhá & Samuk, road to Tucurú, 1500<sup>m</sup>, Quatem.  
April 21<sup>st</sup>. A typical <sup>trailing plant</sup> ~~spine~~ of the "Regenwald". Fl. fire-red.
- 8 148. Alto de la Cuesta de Cachil, 1600<sup>m</sup>, near Salamá, Quatem. - Apr. 21. 05.  
A tree, scarce fresh.



71 149. *Centropogon guatemalensis* Rob. Campanulaceae

Between Purulhá & Samuk, 1600<sup>m</sup>, road to Tucurú, Quat. Apr. 21<sup>st</sup> 1905. - Charact. of the "Regenwald", upper region.

71 150. *Centropogon cordifolius* Benth. Campanulaceae

Between Purulhá & Samuk, 1600<sup>m</sup>, road to Tucurú, Quat. April 21<sup>st</sup> 05. - Charact. of the "Regenwald", upper region.

71 151. *Cranthemum praecox* Benth. Alcanthaceae

Alto de Quililhá, 1500<sup>m</sup>, on the northern, half wet slope, road from Salama' to Purulhá, Quat. April 21. 05.

8 152. *Platanonema callistachyum* O.K. Alcanthaceae

Samuk, 40<sup>m</sup>, on the trail from Purulhá to Tucurú, Guatemala. April 21<sup>st</sup> 05. A sub-lignous shrub, about 1-1.5<sup>m</sup> high, forming thickets.

8 153. *Dianthera inaequalis* B. & Hook. Alcanthaceae

Between Purulhá & Samuk, 1500<sup>m</sup>, trail to Tucurú, Quat. Apr. 21<sup>st</sup>

8 154. *Parsonia* (*Euphorbia*) *aequipetala* Cav. Lythraceae

Alto de Quililhá, 1500<sup>m</sup>, on the northern, half wet slope, road Salama'-Purulhá, Guatemala, Apr. 21<sup>st</sup> 1905.

8 155. *Hauya* Penotheraceae

Cuesta de Quililhá, 1400<sup>m</sup>, between 8<sup>to</sup> Tomás & Purulhá, Quat. Apr. 21<sup>st</sup> 1905. - A small tree, 5-8<sup>m</sup> high, spindling, with erect trunks.

8 156. *Columnnea glabra* Aest. Gesneraceae

Between Purulhá & Samuk, 1600<sup>m</sup>, trail to Tucurú, Quatem. April 21<sup>st</sup> 1905. Epiphytic.



- 71 157 *Ind. (Pokonchi?) Romaxko* Lauraceae. Vega larga 1500', near Purulhá, Guatemala. April 21<sup>st</sup>, 1905. A common tree in the little valleys of Sta Rosa & Purulhá.
- 71 158 Boraginaceae Cuesta de Cachil 1200-1600', near Salama', Quatem. April 21<sup>st</sup> 05. A trailing shrub, in sheltered places on the bare slope.
- 71 159 *Oxalis* Oxalidaceae Cuesta de Cachil, 1200-1600', near Salama', Quatem. Apr. 21<sup>st</sup> 05. In sheltered places along road.
- 8 160. *Pamflora trinifolia* Mast. Passifloraceae Cuesta de Cachil, near the top, 1600', Salama', Quatem. Apr. 21<sup>st</sup> 05.
- 8 161. *Byrsonyma crassifolia* Juss. Malpighiaceae Cuesta de Cachil, 1500', near Salama', Quatem. April 21<sup>st</sup> 05. A small tree, 4-6' high.
- 8 162. *Lobelia Ghiesbreghtii* A. Gray. Lobeliaceae Alto de Quililhá, 1500', on the northern side, road from Salama' to Purulhá, Quat. Apr. 21<sup>st</sup> 05.
- 8 163 *Quercus macrophylla* Ne Fagaceae Alto de Quililhá, 1500', between Sta Tomas & Purulhá, Quat. Apr. 21<sup>st</sup> 1905. A large, beautiful tree, with ample, notched crown.
- 8 164. *Tropaeolum pendulum* - Tropaeolaceae Between Purulhá & Samuk, 1500' trail to Tucuru', Quatem. Apr. 21<sup>st</sup> 05. One of the "Regenwald" species.



- 71 165. *Cratogeomys paleolata* J. Dmn-sm. Melastomataceae Between Purulha' & Samuk, 1600-1400', trail to Tucurú, Guatem. April 21<sup>st</sup> 1905. Fl. pinkish-white. "Regenwald",
- 71 166. *Negundo aceroides* v. *texanum* - ~~Lapindaceae~~ <sup>Aceraceae</sup> Purulha', 1500m., Guatemala, April 21<sup>st</sup> 1905. A common, small tree.
- 71 167. *Salvia* Labiatae Purulha', 1500m, Guatemala, April 21.05. A common weed in pasture. About 1 to 1.5<sup>m</sup> high.
- 8 168. Urticaceae Between Purulha & Samuk, 1500', trail to Tucurú, Guatem. April 21<sup>st</sup> 1905.
- 8 169. *Ordisia* Myrsinaceae On the hills around Sekankim, 550', Guatem. April 24<sup>th</sup> 1905. A small tree, 2-3<sup>m</sup> high.  
kekechi' = kuakitun
- 8 170. *Smilax* Smilacaceae In the bushes around Sekankim, 550', Guatem. April 24, 1905.  
kekechi' = julb
- 8 171. *Guarea* Meliaceae On the hills around Sekankim, 550', Guatem. April 24, 05.  
kekechi' = pompté  
A small tree
- 8 172. *Siparuna riparia* A. D.C. Monimiaceae On the pine hill, west of Sekankim, 600', Guat. - April 24. 05.  
A shrub.



71 173. *Gynerium riparia* A. D. C. Monimiaceae  
n.v.: serbatana; ReKchi tau-tre'

On the hills around Sekankim, 550', Guatemala, Apr. 24, 1905.  
A small tree, 2-4 m., crumpling over bushes.

71 174. *Passiflora ~~keratophylla~~ <sup>keratophylla</sup>* Passifloraceae  
ReKchi: karanilitao'; n.v. granadilla de monte

Below Sekankim, in bushes, 450', Guatemala, Apr. 25, 1905.

71 175. Compositae

In the bushes, around Sekankim, 500', Guatemala, Apr. 28<sup>th</sup> 1905.

8 176. *Vernonia Seppiana* Less. Compositae  
n.v.: suguina' (CakchiKel?); ReKch = semem

Bushes around Sekankim, 500', Quat., Apr. 28<sup>th</sup>, 1905.

8 177. *Solanum mammosum* Solanaceae  
n.v. chicha; Rechi = Kan-tu' (= yellow breast).

Around the house in waste places at Sekankim, 550', Quat. Apr. 28<sup>th</sup> 1905.

8 178. Lauraceae  
ReKchi = sak-si'

Below Sekankim, 450', Guatemala, April 28<sup>th</sup> 1905. A tree.  
8-10 m high.

8 179. *Cuphea hyssopifolia* Rth. Lythraceae

On rocks along the Chisante R., below Sekankim, 270', Quat.  
April 29<sup>th</sup> 1905. Fl. purplish white.

8 180. *Lindenia rivalis* Rubiaceae  
ReKchi: mes-si-ha' (= water broom); n.v.: flor  
de Maria (Yzabal);

On rocks along the Chisante R., below Sekankim, 270', Quat.  
April 29<sup>th</sup> 1905



7 181. *Crusea caloccephala* D.C. Rubiaceae

On the slopes around Sekankim, 550<sup>m</sup>, Guatem. Apr. 29<sup>th</sup> 1905.  
Fl. sky-blue.

7 182. *Helicteres guazumaefolia* H.B.K. Sterculiaceae  
> n.v.: monecillo; KeKehi' tsubil

Bushes around Sekankim, 550<sup>m</sup>, Guatem. Apr. 29<sup>th</sup> 1905.  
A shrub,  $\pm$  2<sup>m</sup> high; fl. purplish red.

7 183. *Pithecolobium sophorocarpum* Benth. Leguminosae  
> Toxali'-p (comp. Chali-ha') Rekehi.

Along the Chisarte R. below Sekankim, 270<sup>m</sup>, Guat. Apr. 29<sup>th</sup> 05.  
A shrub, 2-3<sup>m</sup> high.

8 184. *Poinciana pulcherrima* L. Leguminosae  
> n.v. gallito; keKehi' u-tsuj

Around the house at Sekankim, 550<sup>m</sup>, Guatem. April 29<sup>th</sup> 05.

8 185. *Odontonema callistachyum* D.K. Acanthaceae

In the little gorge north of Sekankim, 500<sup>m</sup>, Guatem. April 30<sup>th</sup> 05.  
About 1<sup>m</sup> high, fl. red.

8 186. *Spathiphyllum Wendlandi* Schott. Araceae

In the deep gorge, north of Sekankim, 400<sup>m</sup>, Guatemala, Apr. 30<sup>th</sup> 05.

8 187. *Scutellaria orichalcea* Dmn. Sm.

Around Sekankim, 500<sup>m</sup>, Guat. Apr. 30, 1905. In shady places.

8 188. *Cissampelos Pareira* L. Menispermaceae  
> Cotan; K. = kux-sogui

In bushes below Sekankim, 400<sup>m</sup>, Guat. Apr. 30, 1905.



71 189. *Cordia trichostyla* Pittier Boraginaceae  
Rekchi' - bajlamax, sutxaj. change name  
in all keys  
under Solanaceae

Near the house at Lekankim, 550', Guatemala, Apr. 30<sup>th</sup> 1905.

A small tree, 6-8' high; fr. red, bacciformae.

7 190. *Stemodia* Rubiaceae

Along the Chisante R., 270', below Lekankim, Quat., Apr. 30<sup>th</sup> 1905.

Fl. very small, white.

7 191. *Selaginella* Selaginellaceae

Shady rocks around Lekankim, 550', Quat. Apr. 30<sup>th</sup> 1905.

8 192. *Piscidia Erythrina* Lenth. Leguminosae  
> Rekchi: tiaxâb.

Along the Chisante R., 270', below Lekankim, Quatem. - April 30<sup>th</sup> 1905.

A large tree, 12-15' high, without leaves when flowering.

8 193. *Macaranga* ~~lipi~~ Pohl. Euphorbiaceae

Cultivated below Lekankim, 350', Quat. - May 1<sup>st</sup> 1905.

8 194. *Heliconia latispatha* Benth. Musaceae  
> n.v.: bijagua; Rekchi = suk.

Below Lekankim, 400', Quatem. May 2<sup>d</sup> 1905.

8 195. *Ruellia pilosa* Pav. Acanthaceae

Gorge north of Lekankim, 400', Guatemala, May 2, 1905. - Fl. pur-  
plish blue.

8 196. *Ruellia pilosa* Pav. Acanthaceae

Bushes around Lekankim, 550', Quatem. May 2, 1905. Fl.  
purplish.



71 197. *Amarantus leucospermus* Walm. *Amarantaceae* Waste places around houses, Lekankim, 550<sup>m</sup>, Guatemala. <sup>May</sup> May 2<sup>d</sup>, 1905.

71 198. (*Desmodium*) *Meibomia supina* (Sw.) Britton. *Leguminosae* Around Lekankim, 550<sup>m</sup>, Quatem. May 2<sup>d</sup>, 1905.

71 199. *Desmodium* } *supina* { (Sw.) *Leguminosae* Around Lekankim, 550<sup>m</sup>, Quatem., May 2<sup>d</sup>, 1905.  
*meibomia* } Britton

8 200. *Piper hispidum* Sw. v. *pallidum* f. *b. b.* *Piperaceae* Bushes around Lekankim, 550<sup>m</sup>, Quatem., May 2<sup>d</sup>, 1905. A shrub,  
→ n.v.: cordoncillo about 1,50 high.

8 201. *Compositae* Bushes around Lekankim, 550<sup>m</sup>, Quatem. May 2<sup>d</sup>, 1905. About  
2,50 high.

8 202. *Malvaceae* Bushes near Lekankim, 550<sup>m</sup>, Quatem. May 2<sup>d</sup>, 1905. A  
single specimen.

8 203. *Amblyanthera fluminensis* Müell. *Apocynaceae* Bushes around Lekankim, 550<sup>m</sup>, Quatem. May 2<sup>d</sup>, 1905. A win-  
ding vine; white latex; fl. pale yellow with purple gorge.

8 204. *Scleria bracteata* Cav. *Cyperaceae* Bushes around Lekankim, 550<sup>m</sup>, Quatem. May 2<sup>d</sup>, 1905.



- 71 205. *Scleria melaleuca* Cham. & Schl. Cyperaceae Bushes around Sekankim, 550<sup>m</sup>, May 2<sup>d</sup>, 1905.
- 7 206. *Paspalum conjugatum* Berg. Graminae Everywhere around Sekankim, 550<sup>m</sup>, May 2<sup>d</sup>, 1905. One of the principal grasses in natural pastures.
- 7 207. *Paspalum decumbens* Poir. Graminae Along the road below Sekankim 400<sup>m</sup>, Quat. May 2<sup>d</sup>, 1905. Appears to be rather scarce.
- 8 208 *Paspalum compressum* Nees. Graminae Common around Sekankim, 550<sup>m</sup>, Guatemala, May 2<sup>d</sup>, 1905.
- 8 209 *Andropogon condensatus* H.B.K. Gramineae Hills between Cajal and Cahabon, 400<sup>m</sup>, Guatemala, May 3<sup>d</sup>, 1905.
- 8 210. *Lycaste aromaticum* Lindl. ? Orchidaceae Cajal, on the Cahabon River, 200<sup>m</sup>, Guatemala, May 3<sup>d</sup>, 1905. Epiphytic. Fl. yellow.
- 8 211 Malvaceae Hills above Cahabon, 400<sup>m</sup>, Guatemala, May 3<sup>d</sup>, 1905. In bushes. A shrub, 2<sup>m</sup> high.
- 8 212. *Crescentia alata* H.B.K. Bignoniaceae Sta. Maria Cahabon, 250<sup>m</sup>, Guatemala, May 3<sup>d</sup>, 1905. A tree about 6<sup>m</sup> high. Crown more or less flattened according to individuals. Fruit round, small, 5-7 cm. diam.  
 ) n.v.: moro; sinia-jom, Rimal-joch (Kekchi);



- 7 213. *Evolvulus alsinoides* L. Convolvulaceae Hills between Cajal & Cahabon, 400', Quat. - May 4<sup>th</sup> 1905. Fl. blue.
- 7 214. *Paspalum* Graminae In savannas near Sekankim, 350', Quat., May 4<sup>th</sup> 1905.
- 7 215. *Anthraenantia lanata* Benth. Graminae In savannas near Sekankim, 350', Quat. May 4<sup>th</sup> 1905.
- 8 216. *Andropogon leucostachys* H. B. K. Gramineae In savannas near Sekankim, 350', Quat. - May 4<sup>th</sup> 1905.
- 8 217. *Pennisetum* Gramineae Hills between Cajal & Cahabon, 400', Quat., May 4<sup>th</sup> 1905.
- 8 218. *Andropogon condensatus* H. B. K. Graminae Hills between Cajal & Cahabon, 400', Quat. - May 4<sup>th</sup> 1905.
- 8 219. *Paspalum Humboldtianum* Pe. Gramineae Hills between Cajal & Cahabon, 400', Quat., May 4<sup>th</sup> 1905.
- 8 220. *Hierochloa brachystachya* (Tr.) Hack. Graminae Hills between Cajal & Cahabon, 400', Quat., May 4<sup>th</sup> 1905.



- 71 221. *Trachypogon polymorphus montufai* Graminae  
(Nees.) Hack. Savannas below Tekankim, 350', on trail to Cahabon, Quat. May 4<sup>th</sup> 1905.
- 7 222. *Pitcairnia macrochlamys* Mez. — Bromeliaceae  
Bron Rocky places in savannas, between Tekankim & Chinaste, 400', trail to Cahabon, Quat. May 4<sup>th</sup> 1905.
- 7 223. *Mirasolia diversifolia* Hemsl. Compositae  
Along Cahabon River, between Chinaste & Cajal, 200', trail to Cahabon, Quat., May 4<sup>th</sup> 1905. About 2' high, bushy, floribundum.
- 8 224 *Tridax procumbens* L. Compositae  
Hills between Cajal & Cahabon, 400', Quat. — May 4<sup>th</sup> 1905.
- 8 225 *Asclepias* Asclepiadaceae  
Savannas below Tekankim, 350', on trail to Cahabon, Quat. May 4<sup>th</sup> 1905.
- 8 226 Compositae  
Hills between Cajal & Cahabon, 400', Quat. — May 4<sup>th</sup>, a small tree, ± 2' high.
- 8 227 *Dupinia* (*Cernstroemia*) *copezapote* ~~Guttiferaceae~~  
(Cham. & Schl.) Theaceae Along Cahabon R., between Chinaste & Cajal, 200', trail to Cahabon, Quat. May 4, 1905. A middle sized tree, about 10' high; fl. white.  
(Gecanquin, Cook & D. n. 64 — Fl. Apr. 21, 1904 — Vide Herbar. Nat.).
- 8 228. *Phyllocactus* Cactaceae  
Bars of Cahabon River at Cajal, 200', Quat., May 4, 1905. Epiphytic.



7 229. *Biophytum dendroides* B. *Oralidaceae* Along the Chisay R. near Chimaste, 210<sup>m</sup>, trail Senahui - Cahabon, Quat. May 4<sup>th</sup> 1905. A striking plant, with sensitive leaves. Fl. greenish white.

7 230. *Jacquemontia pentantha* G. Don. *Convolvulaceae* Near Cajal, 200<sup>m</sup>, on trail from Cahabon to Sekankim, Quatem. May 4<sup>th</sup> 1905.

7 231 *Leguminosae* Banks of Cahabon River, between Cajal and Chimaste, Quat. May 4<sup>th</sup> 1905. Low bush, about 1<sup>m</sup> high; fl. white.

8 232 *Conostegia xalapensis* D. Don. *Melastomataceae* Hills between Cajal & Cahabon, 400<sup>m</sup>, Quatem. - May 4<sup>th</sup> 1905. A small tree, growing in bushes, 2-3<sup>m</sup> high.

8 233 *Morinda Roioi* L. *Rubiaceae* Banks of Cahabon River, 200<sup>m</sup>, between Cajal & Chimaste, Quatem. May 4<sup>th</sup> 1905. A small tree,  $\pm$  2<sup>m</sup> high, forming bushes. Involucres purplish, fl. white.

8 234 *Passiflora foetida* Cav. *Passifloraceae* Hills between Cajal & Cahabon, 400m. Quat. May 4<sup>th</sup> 1905.

8 235. *Piper elongatum* Vahl. v. *cordulatum* 4<sup>a</sup> *Piperaceae* Hills between Cajal & Cahabon, 400m. Quat. May 4<sup>th</sup> 1905. A small tree, 2<sup>m</sup> high.  
6. Dc.

8 236. *Piper tuberculatum* Jacq. v. *stunifolium* *Piperaceae* Near a house in Cahabon, 250<sup>m</sup>, May 4<sup>th</sup>. Small tree 4-6m high, <sup>nearly</sup> always in the vicinity of house, and with appearance of cultivation.  
n. v. cordocillo  
6. Dc.



7 237

(On Euphorbia sp.)

Fungi

On the trail from Senahu to Cahabon, between Chimaste & Cajal, 200<sup>m</sup>,  
Guatem., May 4<sup>th</sup> 1905.

7

238. *Heteropteris floricunda* H. B. K.

Malpighiaceae

Along Cahabon R., between Chimaste & Cajal, 200<sup>m</sup>, Guatem. May 4<sup>th</sup> 1905.  
Small tree, 2-3<sup>m</sup> high.

7

239

Rubiaceae?

Along Cahabon R., between Chimaste & Cajal, 200<sup>m</sup>, Guatem. May 4<sup>th</sup> 1905.

8

240. *Duguetia leiophylla* Donn. Sm.

Anonaceae

Cajal, 200<sup>m</sup>, on banks of river, trail from Cahabon to LeKankim, Guat.  
May 4<sup>th</sup> 1905. Small tree, 2-3 m high; fl. greenish yellow.

8

241. *Stemodia*

Scrophulariaceae

Near Chimaste, 250<sup>m</sup>, on the trail from Cahabon to LeKankim, Guat.  
May 4<sup>th</sup> 1905.

8

242. *Ruellia geminiflora* H. B. K.

Acanthaceae

~~Along~~ Between Chimaste and Cajal, trail from Cahabon to  
LeKankim, 200<sup>m</sup>, Guatemala May 4<sup>th</sup> 1905. Fl. purplish blue.

8

243. *Maranta arundinacea* L.

Marantaceae

Between Chimaste & Cajal, on the trail from Cahabon to LeKankim,  
200<sup>m</sup>, Guatem. May 4<sup>th</sup> 1905. Fl. white.

8

244. *Lutellaria orichalcea* Donn. Sm.

Labiatae

Around LeKankim, 550<sup>m</sup>, Guatem., May 5<sup>th</sup> 1905.



7 245 *Desmodium* <sup>*meibomia*</sup> *supina* (Sw.) Britt. Leguminosae

Around Sekankim, Quatem. 550<sup>m</sup>, May 5<sup>th</sup>, 1905.

7 246. <sup>*Eupatorium*</sup> ~~*Agrostis*~~ *pycncephalum* Less. Compositae  
> n.v.: mejorana morada; Ke Kchi = lokab

Around Sekankim, 550<sup>m</sup>, Quatem. May 5<sup>th</sup>, 1905.

7 247 *Stachytarpheta* *cayennensis* Vahl. Verbenaceae  
> Ke Kchi = mes;

Around Sekankim, 550<sup>m</sup>, Quatem. May 5<sup>th</sup>, 1905.

8 248. *Panicum* *aturense* H. B. K. Graminae

Around Secanguin, 550<sup>m</sup>, Quatem. May 5<sup>th</sup>, 1905.

8 249. *Paspalum* *paniculatum* L. Graminae

Below Sekankim, 250<sup>m</sup>, near the Chisante River, Quat., May 5<sup>th</sup>, 1905.

8 250. *Paspalum* *virgatum* L. Graminae

Below Sekankim, 250<sup>m</sup>, near Chisante River, Quat. May 5<sup>th</sup>, 1905.

8 251. *Olyra* *pauciflora* Sw. Graminae

Around Sekankim, 550<sup>m</sup>, in bushes; Quat., May 5<sup>th</sup>, 1905.

c 252 *Isachne* *arundinacea* Guss. Graminae

In bushes around Sekankim, 550<sup>m</sup>, May 6<sup>th</sup>, 1905.



- 7 253. *Andropogon leucostachys* H.B.K. Graminae Savannas near Sekankim, on the trail to Cahabon, 550<sup>m</sup>, Quat. May 6<sup>th</sup> 1905.
- 7 254. *Cenchrus viridis* Spreng. Graminae In cultivated fields around Sekankim, 550<sup>m</sup>, Quatern. May 6<sup>th</sup> 1905.
- 7 255. *Brachypogon polymorphus montufari* Graminae Savannas near Sekankim, 550<sup>m</sup>, on the trail to Cahabon, Quat. May 6<sup>th</sup> 1905.  
(near) Hack.
- 8 256. *Olyra latifolia* L. Graminae In bushes around Sekankim, 550<sup>m</sup>, Quat. May 6<sup>th</sup> 1905, A long, trailing stem.
- 8 257. *Panicum polycaulon* Nash. Graminae Savannas near Sekankim, 550<sup>m</sup>, on the trail to Cahabon, Quat. May 6<sup>th</sup> 1905.
- 8 258. *Paspalum caespitosum* H.B. Graminae Savannas near Sekankim, 550<sup>m</sup>, on trail to Cahabon, Quat. May 6<sup>th</sup> 1905.
- 8 259. *Anthraenantia lanata* Benth. Graminae Savannas near Sekankim, 550<sup>m</sup>, on trail to Cahabon, Quat. May 6, 1905.
- 8 260 *Andropogon*, near *hirtifolius* Graminae On pine hill west of Sekankim, 550<sup>m</sup>, Quat. - May 6<sup>th</sup> 1905. Forms large fields, associated with no 261. 2<sup>m</sup> - 2.5<sup>m</sup> high.



- 7 261. *Tripsacum fasciculatum* Graminae  
 > Kekchi = talj, taj, taña.  
 On pine hill west of Sekankim, 550<sup>m</sup>, Quatem. May 6<sup>th</sup> 1905. See  
 no 260.
- 7 262. *Dichromena pubera* Vahl. Cyperaceae  
 Savannas near Sekankim, 550<sup>m</sup>, on trail to Cahabon, Quat. May 6<sup>th</sup> 1905.
- 7 263. *Scleria hirtella* Sw. Cyperaceae  
 Savannas near Sekankim, 550<sup>m</sup>, on trail to Cahabon, Quat. May 6<sup>th</sup> 1905.
- 8 264. *Chaetospira* Cyperaceae  
 Savannas near Sekankim, 550<sup>m</sup>, on trail to Cahabon. Quat. May 6<sup>th</sup> 1905.
- 8 265. *Chevetia plumeriaefolia* Benth. Apocynaceae  
 > n.v. chilindrin; Kekchi = chichi'-yak  
 Bushes around Sekankim, 550<sup>m</sup>, Quat. May 6<sup>th</sup> 1905. An erect shrub,  
 1-2<sup>m</sup> high; fl. yellow.
- 8 266. Campanul?  
 Quat. Along Saklak R. below Sekankim, 350<sup>m</sup>, Quat. May 6<sup>th</sup> 1905.
- 8 267. *Heliconia crassa* Greggs. Musaceae  
 Along Saklak R. below Sekankim, 350<sup>m</sup>, Quat. May 6<sup>th</sup> 1905.
- 8 268. *Oncidium ensatum* Lindl. Orchidaceae  
 Savannas near Sekankim, 550<sup>m</sup>, Quat., on trail to Cahabon, May 6<sup>th</sup> 1905.  
 Not epiphytic.



7 269. *Liparuna riparia* A. D. C. Monimiaceae Hills around Tekankim, 550<sup>m</sup>, Quat. May 6<sup>th</sup> 1905. See also n° 173.

7 270. *Borreria verticillata* (L.) Moq. Rubiaceae Around Tekankim, 550<sup>m</sup>, Quat. May 6<sup>th</sup> 1905.

7 271. *Randia* ~~sp.~~ *calapensis* M. & Gal. Rubiaceae Around Tekankim, 550<sup>m</sup>, Quat. May 6<sup>th</sup> 1905. A shrub 1<sup>m</sup> to 1.50 high; fl. yellowish white.

8 272 (*Cuphea*) *Parsonia infundibulum* Koch. Lythraceae Along the Chisarte R., below Tekankim, 250<sup>m</sup>, Quat. May 6<sup>th</sup> 1905.

8 273. *Bucknera mexicana* Hemsl. - Scrophulariaceae Around Tekankim, 550<sup>m</sup>, Quat. May 6<sup>th</sup> 1905 - Fl. white.

8 274 Melastomaceae Around Tekankim, 550<sup>m</sup>, Quat. May 6<sup>th</sup> 1905. A shrub, about 2<sup>m</sup> high.

8 275. *Sauvagesia erecta* L. ~~Melastomaceae~~ Around Tekankim, 550<sup>m</sup>, Quat. May 6<sup>th</sup> 1905.

8 276. *Heterotrichum* Melastomaceae Around Tekankim, 550<sup>m</sup>, Quat. May 6<sup>th</sup> 1905. A shrub, 1.50 high.



7, 277- Melastomataceae Round Sekaukim, 550<sup>m</sup>, Quat. May 6<sup>th</sup> 1905. A small tree, 6-8<sup>m</sup> high; fl. white

7 278 Melastomataceae Round Sekaukim, 550<sup>m</sup>, Quatern. May 6<sup>th</sup> 1905. A shrub 1-2<sup>m</sup> high.

7 279- *Pithecolobium sophorocarpum* Benth. Leguminosae Along the Chisante R. 250<sup>m</sup>, below Sekaukim, Quatern. May 6<sup>th</sup> 1905. A bushy shrub, about 1.50 high; fl. white.

8 280 *Pachyrhizus palmatilobus* B. & Hook. Leguminosae Round Sekaukim, 550<sup>m</sup>, Quat. May 6<sup>th</sup> 1905.

8 281- *Phaseolus spectabilis* Standley. Leguminosae Round Sekaukim, 550<sup>m</sup>, Quat. May 7<sup>th</sup> 1905.

8 282 *Machaerium acuminatum* H. B. & K. Leguminosae Along the Chisante R., below Sekaukim, 250<sup>m</sup>, Quat. May 7<sup>th</sup> 1905. A small tree, 3-4<sup>m</sup> high.

8 283 *Erotaria ovalis* Pursh. Leguminosae Round Sekaukim, 550<sup>m</sup>, Quat. May 7<sup>th</sup> 1905.

8 284 *Piper citrifolium* Lam. Piperaceae Along the Saklaka R., 300<sup>m</sup>, in forests below Sekaukim, trail to Epauite, May 7<sup>th</sup> 1905.



7 285 *Chamaedorea* Palmae Along the Taklak R., 300<sup>m</sup>, trail to Sepacuite, May 7<sup>th</sup> 1906.

7 286 *Chamaedorea* Palmae In the forest above the Taklak ford, 300<sup>m</sup>, trail from Sekankim to Sepacuite, Quat. May 7<sup>th</sup> 1905.

7 287 *Blidemia hirta* D.D. v. *elegans* <sup>Griseb.</sup> Melastomaceae Round Sekankim, 550<sup>m</sup>, Quat. May 7<sup>th</sup> 1905. A shrub; fl. white.

8 288 *Psychotria pubescens* Sw. Rubiaceae In the forest above the Taklak ford, 300<sup>m</sup>, road from Sekankim to Sepacuite, Quat. May 7<sup>th</sup> 1905. A shrub, with yellowish flowers.

8 289 Rubiaceae Round Sekankim, 550<sup>m</sup>, Quat. May 7<sup>th</sup> 1905. A shrub; fl. whitish.

8 290 *Symplocos* ~~*triplex*~~ <sup>*geminata* H.B.K.</sup> <sup>Opp!</sup> Verbenaceae Round Sekankim, 550<sup>m</sup>, Quat. May 7<sup>th</sup> 1905. A  
> n.v.: juquilama  
A medicinal plant.

8 291 *Isoloma Schiedeana* Hemsl. Gesneraceae Taklak ford, 300<sup>m</sup>, trail from Sekankim to Sepacuite, May 7<sup>th</sup> 1905.

8 292 *Acalypha cuneifolia* Muell. Arg. Euphorbiaceae In the forest above the Taklak ford, 300<sup>m</sup>, trail from Sekankim to Sepacuite, Quat. May 7<sup>th</sup> 1905.  
v. *cuneata* Muell. Arg.



7. 293. *Trema micrantha* Blume *Urticaceae* Around Sekankim, 550<sup>m</sup>, Quat. May 7<sup>th</sup> 1905. A small tree, 4-6<sup>m</sup> high.
7. 294. *Sauraceae* Along the Chisante R., 250<sup>m</sup>, below Sekankim, Quat. May 7<sup>th</sup> 1905. A middle sized tree, 8-10<sup>m</sup> high, spindling crown.
7. 295. *Alsephitecna* *Bignoniaceae* In the forest above the Saklak ford, 300<sup>m</sup>, trail from Sekankim to Sepacuite, Quat. May 7<sup>th</sup> 1905. A small tree, 3<sup>m</sup> high. Fl. greenish, on stems; fr. like mello-cacao pods. Leaves in bushels at ends of branches.  
Rekchi = onotx.  
"Pegador", used sometimes for live fences.
8. 296. *Donnellia grandiflora* C. B. Cl. *Commelyniaceae* In the forest near Saklak ford, 300<sup>m</sup>, trail from Sekankim to Sepacuite, Quat. May 7<sup>th</sup> 1905. Fl. white.  
Very ornamental.
8. 297. *Piper auritum* Kunth. v. *amplifolium* *Piperaceae* Around Sekankim, 550<sup>m</sup>, Quat. May 9<sup>th</sup> 1905.  
> Rekchi = Hakli-pur; n.v. hoja de jute.
8. 298. *Orchidaceae* Swamp bushes around Sekankim, 550<sup>m</sup>, Quat. May 9<sup>th</sup> 1905. Very scarce.
8. 299. *Guttiferae*. Around Sekankim, 550<sup>m</sup>, Quat. May 9<sup>th</sup> 1905. A small tree, about 1<sup>m</sup> high.
8. 300. *Rondeletia gracilis* Hemsl. *Rubiaceae* Around Sekankim, 550<sup>m</sup>, Quat. May 9<sup>th</sup> 1905. A small tree, 2-3<sup>m</sup> high.



7 301

Around Sekankim, 550<sup>m</sup>, Guatemala, May 9<sup>th</sup> 1905. A small tree, 6-7<sup>m</sup> high.

7 302 *Byrsomima crassifolia* Juss. Malpighiaceae

Around Sekankim, 550<sup>m</sup>, Quatem., May 9<sup>th</sup> 1905. A tree, 6-8<sup>m</sup> high.

7 303 Melastomaceae

Around Sekankim, 550<sup>m</sup>, Quatem. May 9<sup>th</sup> 1905. A shrub.

8 304 *Echites microcalyx* A. D. C. Apocynaceae

Around Sekankim, 550<sup>m</sup>, Quatem. May 16<sup>th</sup> 1905.

8 305 *Uroskinnera spectabilis* Lindl.

Near the Saklak ford, 300<sup>m</sup>, on trail from Sekankim to Sepacuite, May 9<sup>th</sup> 1905. A shrub, about 2<sup>m</sup> high. Fl. lilac.

8 306

On rocks near the Saklak ford, 300<sup>m</sup>, trail from Sekankim to Sepacuite, Quatem. May 9<sup>th</sup> 1905.

8 307 *Crotalaria longirostrata* Hook. & Arn. Leguminosae.

Around Sekankim, 550<sup>m</sup>, Quatem. May 9<sup>th</sup> 1905.

8 308 *Stelis* Orchidaceae

In the Chisante River, 250<sup>m</sup>, below Sekankim, Quat., May 9<sup>th</sup> 1905. Epiphytic; fl. greenish yellow.



7 309 *Petreaa antorea* Kunth. ~~*Verbenaceae*~~ *Verbenaceae*

300<sup>m</sup>  
Near the Saklakford, trail from Sekankim to Sepacuite, Quat.  
May 18<sup>th</sup> 1905. Fl. blue.

7 310 *Alloplectus calochlamys* Donnell Smith. *Gesneraceae*

Between the Saklakford and top of mountain pass, <sup>300<sup>m</sup></sup> trail from Sekankim  
to Sepacuite, Quat. May 18<sup>th</sup> 1905. A small tree, 3<sup>m</sup> high.

7 311 *Fischeria Martiniana* Dene. v. *funeris* *Asclepiadaceae*  
S.C.

Between the Saklakford and top of mountain, 400<sup>m</sup>, trail from  
Sekankim to Sepacuite, Quat. May 18<sup>th</sup> 1905.

8 312 *Hackelochloa granulata* (L.) O.K. *Gramineae*

Around Sekankim, 550<sup>m</sup>, Quat. May 18<sup>th</sup> 1905.

8 313 *Melastomaceae*

On the mountain pass, 1200<sup>m</sup>, between Sekankim and Sepacuite, <sup>May 18<sup>th</sup> 1905</sup>  
Fl. pinkish - Appears in clearings amid the "Regenwald".

8 314 *Monolena Guatemalensis* S.S. *Melastomaceae*  
Bot. Gaz. 42: 294. 1906.

Summit of mountain pass, 1200<sup>m</sup>, between Sekankim and Sepacuite,  
Quat. May 18<sup>th</sup> 1905. A beautiful, pinkish flower, appears in rocky clear-  
ings of the "Regenwald".

8 315 *Chiococca racemosa* L. *Rubiaceae*

Between the Saklakford and top of mountain, 300<sup>m</sup>, on the trail from Se-  
kankim to Sepacuite, Quat., May 18<sup>th</sup> 1905. Fl. white.

8 316 *Delaginella* *Delaginellaceae*

Between Saklakford and top of mountain, at about 1000<sup>m</sup>, on trail  
from Sekankim to Sepacuite, Quat. May 18<sup>th</sup> 1905.



7 317. *Trichomanes*

Between Saklak ford and top of mountain, at 1100', on trail between Le-Rankin & Sepacuite', Quatem. May 18<sup>th</sup> 1905.

7 318 *Becleria glabra* Haust. ? Gesneraceae

Between Saklak ford and top of mountain, at 1100', on trail between Le-Rankin & Sepacuite', Quat. May 18, 1905. An erect shrub, about 1<sup>m</sup> high; fl. yellowish white.

7 319. *Alloplectus tetragenus* Haust. Gesneraceae

Between Saklak ford and top of mountain, at 1100', in trail between Le-Rankin and Sepacuite', Quatem. May 18<sup>th</sup> 1905 - 1.50 high, forming thicket; fl. orange red.

8 320 *Louteridium Dnnell-Smithii* Watson ~~Gesneraceae~~ Gesneraceae

On the mountain pass, 1200', between Le-Rankin & Sepacuite', Quat. May 18<sup>th</sup> 1905 - 1.50 - 2<sup>m</sup> high. Fl. yellowish.

8 321 Rubiaceae

Between the Saklak ford and top of mountain, at 600', trail between Le-Rankin and Sepacuite', Quat. May 18<sup>th</sup> 1905. A shrub, 1<sup>m</sup> high.

8 322 *Palicourea mexicana* Benth. Rubiaceae

Between the Saklak ford and top of mountain, at 800', trail between Le-Rankin & Sepacuite', Quat. May 18<sup>th</sup> 1905.

8 323 Rubiaceae

On the mountain pass, 1200', between Le-Rankin & Sepacuite'. Quat. May 18<sup>th</sup> 1905. A shrub, 1-3<sup>m</sup> high.

0 324 Rubiaceae

Between the Saklak ford, and top of mountain, at 400', trail from Le-Rankin to Sepacuite', Quat. May 18<sup>th</sup> 1905. A shrub.



7 325 *Dorstenia choconiana* Watson v. *in-* *tegripolia* J. D. S. Urticaceae

Between Saklak ford, and top of mountain, 1100', trail from Sekankim to Sepanite, Quat. May 18<sup>th</sup> 1905.

7 326 *Dorstenia choconiana* Watson Urticaceae

Between Saklak ford and top of mountain, 1100', trail from Sekankim to Sepanite, Quat. May 18<sup>th</sup> 1905.

7 327 Urticaceae

Between Saklak ford and top of mountain, 1100', trail from Sekankim to Sepanite, Quat. May 18, 1905.

8 328 *Adicea* [*Pilea*] *pubescens* Liebm. Urticaceae

Between Saklak and top of mountain, 1000', trail from Sekankim to Sepanite, Quat. May 18, 1905.

8 329 *Pilea* Urticaceae

Between Saklak ford and top of mountain, 1000', trail from Sekankim to Sepanite, Quat. May 18<sup>th</sup> 1905.

8 330 *Cratogeomys americana* D. S. n. sp. Liliaceae

Around Sekankim, 550', Quat. May 21, 1905. A small tree, 3-5' high; fl. white.

n. v. : caña de arco; ReKchi' = Ru-kil; used for decoration on feast days. Honduras; Paraisillo (Mied.)

8 331 Polyporaceae

On old trunk, near Sekankim, 550', Guatemala. May 10<sup>th</sup> 1905.

8 332 *Pithecolobium macrandrum* D. S. Leguminosae

Below Sekankim, 300', in corn field - Quat. May 21<sup>st</sup> 1905. A small tree, with showy, snowwhite flowers. About 2.50' high.



7 333 Leguminosae

Between Sepacuite' & Secoyaute', 1100', Quat. May 24<sup>th</sup>, 1905. A small tree, 5-7' high, growing in clusters.

7 334 Solanaceae

Near Sepacuite', 1000', Quat., May 24<sup>th</sup>, 1905.

7 335 Polypodiaceae

Between Sepacuite' & Secoyaute', 1100', Quat. May 24<sup>th</sup>, 1905. On rocks along trail.

8 336. *Rhipidopteris pellata* (Sw.) ~~Christ~~ Hymenophyllaceae

Between Sepacuite' & Secoyaute', 1100', Quat. May 24<sup>th</sup>, 1905. Mossy places, on trunks and stones.

8 337. *Trichomanes*

Between Sepacuite' & Secoyaute', 1100', Quat. May 24, 1905. Mossy places, on wet trunks.

8 338 *Salvia* Labiatae

Between Sepacuite' & Secoyaute', 1100', Quat. May 24, 1905. Fl. blue.

8 339 *Stachys agraria* Cham. & Schl. Labiatae

Near Sepacuite', 1000', Quat. May 24, 1905. A weed in cultivation.

8 340. *Cavendishia callista* D.S. Ericaceae

Cerro Aguas, 870', Quatem. May 24, 1905. Epiphytic.



7 341. *Maranta arundinacea* L. Marantaceae

Near Sepacuite', 1000<sup>m</sup>, Quat. May 24, 1905. Fl. white.

7 342. *Cluckenia volubilis* Euphorbiaceae

Between Secoyante' & Senahu', 1200<sup>m</sup>, Quat. May 24, 1905. A vine.

7 343. *Amblyanthera fluminensis* Müll. Apocynaceae

Near Sepacuite', 1000<sup>m</sup>, Quat. May 24, 1905.

8 344. *Hamelia patens* Jacq. Rubiaceae

In hedges near Senahu', 1000<sup>m</sup>, Quat. May 24, 1905. A shrub,  $\pm 2^m$  high.

8 345. *Rondeletia affinis* Hemsl. Rubiaceae

Between Senahu' and 13 Aguas, 1100<sup>m</sup>, Quat. May 24, 1905.

8 346. Urticaceae

Between Sepacuite' & Secoyante', 1100<sup>m</sup>, Quat. May 24<sup>th</sup> 1905. Grows in clusters, 2-2.50<sup>m</sup> high.

8 347. *Boehmeria brevirostris* Wedd.? Urticaceae

Between Sepacuite' & Secoyante', 1100<sup>m</sup>, Quat. May 24, 1905.

8 348. *Deppea tenuiflora* Benth. Acanthaceae

On wet rocks, between Sepacuite' & Secoyante', 1100<sup>m</sup>, Quat. May 24, 1905. Fl. lilac.



7 349 *Peperomia obtusifolia* A. Dietrich Piperaceae  
forma B, 1, b. db.

7 350 *Peperomia sitiana* b. db. ? Piperaceae

7 351 *Stelis pardipes* Rehb. fil. Orchidaceae

8 352 *Bauhinia Rutelcruziana* Dru-m. Leguminosae

8 353 *Parmentiera edulis* db. Bignoniaceae  
> n.v.: cuaquilote (nahuatl. Quauhxilotl)  
Fr. edible.

8 354 *Peperomia papantlaensis* b. db. Piperaceae

8 355 *Ipomoea fistulosa* Mart. Convolvulaceae

8 356 *Isotoma longiflora* Presl. Lobeliaceae

Alta Vera Paz

Between Sepacuité & Tecoyante, 1100', Quat. May 24<sup>th</sup> 1905

Between Sepacuité & Tecoyante, 1100', Quat. May 24<sup>th</sup> 1905.

Crece Aguas, 870', Quat. May 25<sup>th</sup> 1905. Epiphytic. Fl.  
Yellowish green.

Near Panzós, 50', Quat., May 26<sup>th</sup> 1905. A small tree, 3-4' high, growing in clusters.

Panzós, 50', Quat., May 26<sup>th</sup> 1905. A small tree, 2-6' high, thorny; fr. like a small wrinkled cacao pod.

Mouth of the Zarco River, below Panzós, Polochic River, Quat. May 27<sup>th</sup> 1905. Epiphytic. F10 G-10 Vera Paz

Old Fort San Felipe, on Lake Izabal, 10', Quat., May 27<sup>th</sup> 1905. Isot. Izabal

Around houses at Livingston Guatemala May 28<sup>th</sup> 1905. Seen also at Senahú (1000'). Corolla white, with very long tube - seen also at Senahú, Alta Verapaz. Said to be very poisonous.



7 357. *Pontederia cordata* L. Pontederiaceae

Swampy places along seashore at Livingston, Quat. May 27<sup>th</sup> 1905.

7 358 *Calathea insignis* Peters. Marantaceae

Bushes near P<sup>to</sup> Barrios, Guatemala, June 2<sup>d</sup> 1905.

7 359. *Wedelia paludosa* S.C. Compositae

Sandy places along the beach, Puerto Barrios, Quat., June 2<sup>d</sup> 1905.

8 360. *Paspalum digitatum* Trin. Graminae

Marshes along the shore, P<sup>to</sup> Barrios, Quat. June 2<sup>d</sup>, 1905.

8 361. *Panicum laxum* Sw. Graminae

Along the railway near P<sup>to</sup> Barrios, Quat. June 2<sup>d</sup>, 1905.

8 362 *Paspalum pusillum* Kunth. Graminae

Marshes along shore, P<sup>to</sup> Barrios, Quat., June 2<sup>d</sup>, 1905.

8 363 *Paspalum vaseyanum* Scribn. Graminae

Marshes along shore, P<sup>to</sup> Barrios, Quat. June 2<sup>d</sup>, 1905.

8 364. *Panicum stoloniferum* Griseb. Graminae

Along railway near P<sup>to</sup> Barrios, Quat. June 2<sup>d</sup>, 1905.



- 7 365. *Rhynchospora aurea* Vahl. Cyperaceae Marshes along shore, P<sup>to</sup> Barrios, Guat. June 2<sup>d</sup> 1905.
- 7 366. *Cyperus Luzulae* Rottb. Cyperaceae Marshes along shore, P<sup>to</sup> Barrios, Guat. June 2<sup>d</sup> 1905.
- 7 367. *Fuirena umbellata* Rottb. Cyperaceae Marshes along shore, P<sup>to</sup> Barrios, Guat. June 2<sup>d</sup> 1905.
- 8 368. *Fimbristylis miliacea* Vahl. Cyperaceae Marshes along shore, P<sup>to</sup> Barrios, Guat. June 2<sup>d</sup> 1905.
- 8 369. *Cleocharis Chaetaria* R. & N. Cyperaceae Marshes along shore, P<sup>to</sup> Barrios, Guat., June 2<sup>d</sup> 1905.
- 8 370. *Cyperus compressus* L. Cyperaceae Marshes along shore, P<sup>to</sup> Barrios, Guat. June 2<sup>d</sup> 1905.
- 8 371. *Cyperus ligularis* L. Cyperaceae Marshes along shore, P<sup>to</sup> Barrios, Guat. June 2<sup>d</sup> 1905.
- 8 372. *Piper citrifolium* Lam. Piperaceae Bushes along railway, P<sup>to</sup> Barrios, Guatem. June 2<sup>d</sup> 1905.



- 7 373 *Lelaginellaceae* Bushes along railway near P<sup>to</sup> Barrios, Guat. June 2<sup>d</sup>, 1905.
- 7 374. *Adiantum* *Polypodiaceae* Bushes along railway near P<sup>to</sup> Barrios, Guat. June 2<sup>d</sup>, 1905.
- 7 375 *Polypodiaceae* Bushes along railway near P<sup>to</sup> Barrios, Guat. June 2<sup>d</sup>, 1905.
- 8 376 *Rubiaceae* Marshes along shore, P<sup>to</sup> Barrios, Guat. June 2<sup>d</sup> 1905.
- 8 377. *Psychotria grandis* Sw. *Rubiaceae* Bushes along railway near P<sup>to</sup> Barrios, Guat. June 2<sup>d</sup> 1905.  
A small tree, 3-4 m high; fl. yellow.
- 8 378 *Rubiaceae* Bushes along railway near P<sup>to</sup> Barrios, Guat. June 2<sup>d</sup>. 1905.  
A small tree, 2-3 m high; fl. purplish outside, yellow inside.
- 8 379 *Rhabdadenia biflora* Muell. Arg. *Apocynaceae* Marshes around P<sup>to</sup> Barrios, Guat. June 2<sup>d</sup>, 1905. Fl. white.
- 8 380 (*Cuphea*) *Parsonia* *Parsonia* L. *Lythraceae* Bushes along railway near P<sup>to</sup> Barrios, Guat. June 2<sup>d</sup> 1905.



381 *Boerhaavia erecta* L.

Nyctaginaceae

Waste places, Puerto Barrios, Guat. June 2<sup>d</sup>, 1905.

382 - *Polygala longicaulis* H. B. K. - Polygalaceae.

R.R. Station of San Francisco, near Quirigua', Guat. June 12<sup>th</sup> 1905.

In marshy places.

383 *Caperonia castaneifolia* St. Hil. Euphorbiaceae

In the marsh, near R.R. Station of S. Francisco, near Quirigua', Guat.

June 12<sup>th</sup> 1905.

384

Euphorbiaceae

Ruins of Quirigua', Guat. June 6<sup>th</sup> 1905. Low and fragile

shrub, with small, greenish flowers.

385 *Cecropia Humboldtiana* Klotzsch. Moraceae

Along the Motagua River, near Quirigua', Guat. June 6<sup>th</sup> 1905.

386 *Microtea debilis* L.

Phytolaccaceae.

Banks of Motagua River, near Quirigua', Guatem. June 6<sup>th</sup> 1905.

387 *Piper tuberculatum* Jacq.

Piperaceae

Ruins of Quirigua', Guat. 70<sup>m</sup>; June 6<sup>th</sup> 1905.

and Guatemala



Mexico

( Aug. 1905 ).



388. *Cordia*.

n.v. Salva real; med.; used in child-birth and abortion.

Bought in the market at Córdoba, Vera Cruz - 14. VIII. 1905

389. *Gnaphalium*

Compositae

n.v. Ordolobo; used with sugar as a refreshing drink.

Bought in the market at Córdoba, Vera Cruz - 14. VIII. 1905.

390. *Ambrosia peruviana* D.C.

n.v. Hortaniza: Used in infusion for baths, and the alcoholic decoction for frictions.

Bought in the market at Córdoba, Vera Cruz, 14. VIII, 1905.

391. *Chrysactinia mexicana*

Compositae

n.v. calanca<sup>patle</sup> - infusion used against abdominal pains; the alcoholic decoction in frictions.

Bought in the market at Córdoba, Vera Cruz, 14. 8. 1905.

392.

Compositae

n.v. pericon; infusion used in bath.

393. *Mentha*?

n.v. poléo; infusion against abdominal pains

394.

Labiatae

n.v. bretonica

395.

n.v. pipicha - Used as green vegetable.



396. *Porophyllum coloratum* DC.  
n.v. *Capalo-quelite* - Green vegetable

397 - *Cordia*

398 -

n.v. arnica, and used as such.

399 - *Castilleja*

400 -

401 -

402 - *Marrubium vulgare* L.

n.v. marrubio

403 -

Bought in the market at Córdoba, Vera Cruz - 14. VIII. 1905.

Escamela, near Orizaba, (1300 m.), Vera Cruz, Mex. 15. VIII. 05

Compositae Corn fields around Esperanza, 2660', Puebla, Mex. 16. VIII, 1905

Barren hills near Esperanza, 2660', Puebla, Mex. - 16. VIII, 1905

Compositae Along roads near Esperanza, 2660', Puebla, Mex. - 16. VIII. 1905

Compositae Along roads near Esperanza, 2660', Puebla, Mex. - 16. VIII. 1905.

Labiatae Along roads near Esperanza, 2660', Puebla, Mex. - 16. VIII, 1905.

Leguminosae Barren hills near Esperanza, 2660', Puebla, Mex. - 16. VIII. 1905.



7 404. *Gnaphalium lineifolium* Seaton.

Compositae Barren hills around Esperanza, 2660 m., Puebla, Mex. - 16. VIII, 1905.

7 405

Barren hills around Esperanza, 2660 m., Puebla, Mex. 16. VIII, 1905

7 406

Compositae Barren hills around Esperanza, 2660 m., Puebla, Mex. - 16. VIII, 1905.

8 407

Barren hills around Esperanza, 2660 m., Puebla, Mex. - 16. VIII, 1905

8 408 *Quercus*

Fagaceae

Barren hills around Esperanza, 2660 m., Puebla, Mex. - 16. VIII, 1905.

Low, spreading bush.

8 409

Leguminosae Barren hills around Esperanza, 2660 m., Puebla, Mex., 16. VIII, 1905.

8 410

Compositae Barren hills around Esperanza, 2660 m., Puebla, Mex. - 16. VIII, 1905.

8 411 *Stevia*

Barren hills around Esperanza, 2660 m., Puebla, Mex. - 16. VIII, 1905.



412 - *Juniperus mexicana* Schiede.  
n.v. Sabino

413 - *Lopezia*

414

415 - *Salvia*

416

417 *Croton*

418 *Croton*

419 - (*Triodea avenacea* H. B. K.)  
*Tridens avenaceus*

Barren hills around Esperanza, 2660<sup>m</sup>, Puebla, Mex., 16. VIII. 1905.  
Low bush, 1<sup>m</sup>-1.5<sup>m</sup> high.

Barren hills around Esperanza, 2660<sup>m</sup>, Puebla, Mex., 16. VIII, 1905

Barren hills around Esperanza, 2660<sup>m</sup>, Puebla, Mex.; 16. VIII, 1905

Barren hills around Esperanza, 2660<sup>m</sup>, Puebla, Mex., 16. VIII, 1905.  
Fl. pink. A low bush.

Barren hills around Esperanza, 2660<sup>m</sup>, Puebla, Mex, 16. VIII, 1905.

Barren hills around Esperanza, 2660<sup>m</sup>, Puebla, Mex. 16. VIII, 1905

Barren hills around Esperanza, 2660<sup>m</sup>, Puebla, Mexico, 16. VIII, 1905

Graminae Barren hills around Esperanza, 2660<sup>m</sup>, Puebla, Mexico, 16. VIII, 1905.



7 420. *Lycurus phleoides* H. B. K. Graminae

Barren hills around Esperanza, 2660 m., Puebla, Mex. 16. VIII, 1905.

7 421. *Brachypodium pinnatum caespitosum* Scribn. Graminae

7 422. *Bouteloua* <sup>scorpioides</sup> ~~oligostachya~~ var (= Poir. 8820) Graminae

8 423 *Muhlenbergia ichu* (R. & P.) Kth. Graminae

8 424. *Bromus Porteri anomalus* Shear Graminae

8 425. *Plantago*

8 426

n. v. Sanpandito - Used in infusion against breast complaints

8 427. *Sanvitalia procumbens* Lam. Compositae

Barren hills around Esperanza, 2660 m., Puebla, Mex., Aug. 16, 1905.



428

Barren hills around Esperanza, 2660', Puebla, Mex. - 17. VIII, 1905

429

Labiatae

430. *Eriodax coronopifolia* (H. B. K.) Hemsl.

Compositae Barren hills around Esperanza, 2660', Puebla, Mexico - 17 Aug. 1905.

431

432. *Muhlenbergia* <sup>microsperma</sup> (implicata) Trin.

Gramineae

433. *Artemisia mexicana* Willd.

n. v. Estafiata

Compositae Along roads at Esperanza, 2660m.

Very common.

434

Compositae

435

Compositae



436

Barren hills around Esperanza, 2660m. - Puebla, Mex. - 17. VIII. 1905

437

Leguminosae

spreading bush.

438

439. *Zinnia pumila* Gray?

Compositae

Barren hills around Esperanza, Puebla, 2660m. Mex. Aug. 17, 1905

440. *Verbesina axata* (Cav.) Gray

Compositae

Barren hills around Esperanza, Puebla Mex., 2660m. Aug. 17, 1905.

441. *Stevia*

Compositae

442. *Dysodia fastigiata* S.B.

Compositae

Barren hills about Esperanza, 2660m. - Puebla. Mex. 17. VIII, 1905.

443. *Stipa* <sup>eminens</sup> (*trochlearis*) Nees & Mey.

Graminae



444. *Bouteloua curtipendula* Torr. Graminae

Barren hills around Esperanza, 2660<sup>m</sup>, Puebla, Mex. 17. VIII. 1905.

445. *Notholaena ferruginea* Desv. Filices

446. *Cheilanthes eatoni* Baker. Filices

447. *Asplenium resiliens* Kunze Filices

448. Cistaceae Barren hills, around Esperanza, 2660<sup>m</sup>, Puebla, Mex. 17. VIII. 1905

449. Leguminosae On the market at Puebla  
n.v. chipilli; used as green vegetable.

450. Compositae Barren hills around Esperanza, 2660<sup>m</sup>, Puebla, Mex., 17. VIII. 1905.

451. *Eupatorium scorodonioides* Gray. Compositae  
var. *grossedentatum* Rob.



452 - *Zaluzania mollissima* Gray. Compositae

Barren hills around Esperanza, 2660 m., Puebla, Mex., 17. VIII. 1905

453

Cruciferae

454

Euphorbiaceae

455

456

Labiatae

457

Commelynaceae

Barren hills around Esperanza, 2660 m., Puebla, Mex. 17. VIII.

458 *Commelynaceae* sp.?

Commelynaceae

On the market at Puebla

n.o.: Hierba de puyo; used as green vegetable

459. *Cracca grandiflora*?

Along the railway at Jimulco



August 1, 1906

460

Compositae

Along the roads on the cotton fields - Tlahualilo, 1000<sup>m</sup>, Durango, Aug. 27<sup>th</sup>, 1906.

461. *Cirsium californica* Kellogg.

Compositae

Barren hills around Tlahualilo, 1000<sup>m</sup>, Dur. Mex., Aug. 27<sup>th</sup> 1906.

462

Compositae

463

Compositae

n. v. ortiguilla -

464

Compositae

465. *Helianthus ciliaris* D.C.

Compositae

Barren Hills around Tlahualilo, 1000, Durango, Mexico. Aug. 27.

466

Compositae

467

Compositae

Along roads on cotton fields, Tlahualilo, Durango, Mex, 1000<sup>m</sup>, Aug. 27<sup>th</sup>.



*Tridens muticus*  
468. *Tridens mutica* (Carr) Benth. Gramineae

Benen hills around El Chualilo, 1000', Durango, Mex., Aug. 27<sup>th</sup> 1905.

469. *Aristida* <sup>*bromoides*</sup> ~~*fasciculata*~~ Carr. Gramineae

470. *Bouteloua* <sup>*barbata* Lag.</sup> ~~*polytricha*~~ Benth. Gramineae

471. *Chaetochloa corrugata* (Ell.) Scribn. Gramineae

472. *Nazia racemosa* (L.) Kze Gramineae

473. *Brickachne saccharatum* (Buck) Nash. Gramineae

474. *Bouteloua aristoides* (H.B.K.) Thurb. Gramineae

475. *Eragrostis* <sup>*megastachya*</sup> ~~*majus*~~ Hort Gramineae



476. *Eragrostis lugens* Nees.

Graminae

Barren hills around Tlahualilo, 1000', Durango Mex., Aug. 27<sup>th</sup> 1905.

477. *Chloris elegans* H.B.K.

Graminae

478. <sup>*Echinochloa*</sup> (*Panicum*) *colonum* (L.)

Graminae

479. *Pappophorum* <sup>*vaginatum*</sup> (~~*apertum*~~ Munro)

Graminae

480. *Triodia pulchella* H.B.K.

<sup>Graminae</sup>  
~~Cyperaceae~~

481. *Covillea*

n.v. *Gobernadora*

Fl. jaunes; very abundant & characteristic.

482

483



484. *Notholaena Hookeri* D.C. baton

Filices

Barren hills around Tlahualilo, 1000', Durango, Mex. Aug. 27

485. *Gordia Watsoni* Rose

Borraginaceae

486

Euphorbiaceae

487 *Boerhaavia*

Nyctagynaceae

488

Malvaceae

489 *Lippia*?

Verbenaceae

n.v. Oregano

490. *Iva ambrosiæefolia* Gray

Compositae

Barren hills about Tlahualilo, 1000', Durango, Mexico, Aug. 27, 1895

491



492. *Ambrosia psibostachya* D.C.

493 *Waltheria* - *Sphaeralcea*  
n. v. hierba del negro, Med.

494

*Euphorbia*

495 *Euphorbia*

*Euphorbia* cesp.

496. *Physalis*

*Solanaceae*

497 *Cuscuta*

498. *Basanacantha reticulata* L. Watson.

*Rubiaceae*

A small tree, growing in, and trailing on, the rocks.

499



500. *Solanum lasagneifolium*  
n.v. Trompillo

*Solanaceae*

501

502

503

504.

*Leguminosae* Hills around Torreon, 1000', Coahuila, Mexico, Aug. 28<sup>th</sup> 1905.

505

*Apocynaceae*

A vine along roads and fertile places, Torreon, Coahuila, Mex. Aug. 28<sup>th</sup> 1905.

506 *Clematis*

*Ranunculaceae*

507

*Compositae* Hills around Torreon, 1000', Coahuila, Mex. Aug. 28<sup>th</sup> 1905.



508. Solanum

Solanaceae

Hills around Turrem, Coahuila, Mex. Aug. 28, 1905.

509-

Chipilli

Bought on market at Puebla, used as green vegetable. - 19. VIII

510-

Amarantaceae

Ba

Barren hills around Elahualilo, Durango, Aug. 27, 1905



# Colombia

(South-America - Dec. 1905 - Febr. 1906)

to No. 1539



511. *Vismia macrophylla* H.B. & K.

Guttiferae

Córdoba, near Buenaventura. Colombia - Dec. 7<sup>th</sup> 1905

A small tree, 4-5 m. high. Sep. 5, pet. 5; st. fasciate, inserted at base of pet.

512. *Cyphomandra arborea* Pittier

Solanaceae

Córdoba, near Buenaventura ( " ), Colombia - Dec. 7<sup>th</sup> 1905 - Small tree, of the *Cyphomandra* type. Petals greenish - Fruit 4 cm. diam., spherical, yellow, 2-3 hanging.

513. *Alsophila*

Equisetaceae

Córdoba, near Buenaventura ( " ), Colombia - Dec. 7<sup>th</sup> 1905 - Tree-fern, slender, 2<sup>m</sup> high. Fronds 1<sup>m</sup> long.

514. *Cassupa Pittieri* Standley

Rubiaceae

Córdoba, near Buenaventura ( " ), Colombia - Dec. 7<sup>th</sup> 1905.

Small tree, pyramidal, 4-5 m. high. Fl. white. Fr. small (15<sup>mm</sup> diam.) in racemes.

515. *Lycopodium Trianae* Hieron.

Lycopodiaceae

Córdoba, near Buenaventura ( " ), Colombia - Dec. 7<sup>th</sup> 1905.

Pine-like, 40 cm. high.

516

Vochysiaceae

Córdoba, near Buenaventura ( " ), Colombia - Dec. 7<sup>th</sup> 1905 - Small tree, 4-5 m. high.

517

Rubiaceae

Córdoba, near Buenaventura ( " ), Colombia - Dec. 7<sup>th</sup> 1905 - Arbor grácilis, fruticosa, 4-6<sup>m</sup> alta - Fl. lilacinae, racemosae

518. *Lindsaea trapeziformis* Dry.

Córdoba, near Buenaventura ( " ), Colombia - Dec. 7<sup>th</sup> 1905



519. *Alsophila*

Cyatheaceae Córdoba, near Buenaventura (50<sup>m</sup>). Cauca - Dec. 7<sup>th</sup> 1905 - A tree-fern, prickly, 2 m. high - Fronds 1-1.20 long., broad.

520.

Bignoniaceae Córdoba, near Buenaventura (50<sup>m</sup>). Cauca - Dec. 7<sup>th</sup> 1905 - A vine, milky, fl. orange yellow.

521. *Panicum laxum* Sw.

Graminae Córdoba, near Buenaventura (50<sup>m</sup>). Cauca - In open places around town.

522. *Rhynchospora*

Cyperaceae Córdoba, near Buenaventura (50<sup>m</sup>). Cauca - In the marsh, along with *Blechnis*.

523. *Blechnis Chaetaria* R. & S.

Cyperaceae Córdoba, near Buenaventura (50<sup>m</sup>). Cauca - Characteristic and almost exclusive in open places around town.

524. *Telaginella*

Telaginellae Córdoba, near Buenaventura (50<sup>m</sup>). Cauca - "Caludes" along road.

525. *Cococa acuminata* Benth.

Melastomata Córdoba, near Buenaventura (50<sup>m</sup>). Cauca - Myrmecophilous treelet; ants lodged either in axis of woody trunks or in chambers at base of petioles (Sample in alcohol - Apparently 2 kind of ants).

526. *Conium flaviatilis* Nutt.

Eriocaulon Córdoba, near Buenaventura.



527. *Trichomanes elegans* Rich.

528

529. Probably a new genus.

530

Gesneraceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 7<sup>th</sup>, 1905. Epiphytic or terrestrial. Fl. large, light yellow.

531. *Quatteria*

Anonaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 7<sup>th</sup>, 1905. Epiphytic, fl. whitish. Small, pyramidal tree, 6-8 m. high.

532. *Diachaea pendula* var. *ciliata* Cogn.

Orchidaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 7<sup>th</sup>, 1905. Epiphytic; fl. whitish, small.

533. *Lindsaya Pitierii* Und. & Max.

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 7<sup>th</sup>, 1905. Along brook, in very wet clay.

534. *Lindsaya falcata* Dry.

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 7<sup>th</sup>, 1905. In the hilly forest behind town.



535. *Paspalum pedunculatum* Desv.

Gramineae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 7<sup>th</sup> 1905. In open, dry places.

536. *Paspalum pusillum* Kth.

Gramineae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 7<sup>th</sup> 1905. In the driest places of the marsh, with *blechnis*.

537. *Paspalum conjugatum* Berg.

Gramineae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 7<sup>th</sup> 1905. Drier places of the hills.

538. *Paspalum pedunculatum* Desv.

Gramineae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 7, 1905. Dry places along road.

539. *Axonopus compressus* Beauv.

Gramineae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 7, 1905. Dry places, along road.

540. *Paspalum pumilum* Nees

Gramineae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 7, 1905. Dry places on hill.

541. *Polygala galiooides* Poir.

Polygalaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 7, 1905. Along railway.

542. ~~(*Utricularia*) *gentilis*~~  
*Utricularia pusilla* Vahl.

Utriculariaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 7, 1905. In marsh among *blechnis*.



543

Apocynaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca. Dec. 7, 1905. Vine -  
Fl. bright yellow. See notes.

544

Burmanniaceae

Córdoba (50<sup>m</sup>) near Buenaventura, Cauca. Dec. 7, 1905. Rhizophyte.  
Fl. lilac.545. *Saurauia serrata* D.C.

Dilleniaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca. Dec. 7, 1905. Small tree,  
with long, divaricated limbs, 2-3 m. high, on borders of forest.546. *Anthurium*

Araceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca. Dec. 7, 1905. Epiphytic; spa-  
the green; spadix brown.

547

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca. Dec. 7, 1905. Epiphytic;  
fl. fire, or orange red.548. *Anthurium*

Araceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca. Dec. 7, 1905. Epiphytic; spa-  
the green; spadix green, yellowish toward end.549. *Hyptis recurvata* Poit.

Labiatae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 8, 1905. Fl. white; common  
in waste, dry places.550. *Clisanthra quadrata* Juss.

Melastomataceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca. Dec. 8, 1905. Fl. purplish; plant  
purplish green. Swampy places.



551. *Dicranella Perrotteti* (Munt.) Mitt.

Musci

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905 - Wet banks along railway.

552. *Octolephium albidum* (L.) Hedw.

Musci

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905 - Epiphytic

553. *Panicum laxum* Sw.

Graminae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905 - Drier places along railway.

554

Rubiaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905 - Small tree, under the forest; fl. white.

555. *Amblyanthura fluminensis* Muell.?

Aporogynae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905 - A vine in sunny bushes along railway. Corolla light yellow, with orange purple gorge; hairy outside.

556. *Cordia ferruginea* <sup>amblyanthura</sup> R. & S.

Boraginaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905 - A bush,  $\pm$  2 m. high, in dry places along railroad; fl. white

557. *Panicum pilosum* Sw.

Graminae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905 - Along railway cut, in drier places.

558. *Cyperus Haspan* L.

Cyperaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905 - Swampy places along railway.



559. *Ischaemum latifolium* Kth.

Gramineae

Córdoba, near Buenaventura, Cauca. Dec. 8, 1905. On wet slopes, along railway.

560. *Hemilepis atterensis* (H.B.K.) Chase

Gramineae

Córdoba, near Buenaventura, Cauca, Dec. 8, 1905. Wet talus along railway.

561 *Ischaemum latifolium* Kth.

Gramineae

562. *Scleria melaleuca* L. & G.

Cyperaceae

n.v. cortadera

563. *Cladopus compressus* Beauv.

Gramineae

564. *Fimbristylis diphylla* Vahl.

Cyperaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca. Dec. 8, 1905. Swampy places along railroad.

565. *Andropogon bicornis* L.

Gramineae

n.v. zabo de zorro.

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca. Dec. 8, 1905. Drier slopes and cuts of railroad.

566. *Ischaetogramma furcata* (L.) C. Chr.

Polypodiaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca. Dec. 8, 1905. Epiphytic in thick forest.



567. *Piper heterotrichum* C. Dc.

→ n.v. cordocillo

Piperaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca. Dec. 8, 1905. Epiphytic in shady forest.

568. *Meibomia supina* (Sw.) Britton.

X n.v. cadillo; amor seco

Leguminosae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca. Dec. 8, 1905. Dry places along railway.

569. *Meniscium reticulatum* (L.) Sw.?

Polypodiaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 8, 1905. Old trunk, along railroad.

570. *Nepsera aquatica* (Rubi.) Naud.

Melastomataceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 8, 1905. Dry places along railroad.

571. *Aciotis paludosa* Triana.

Melastomataceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 8, 1905. Dry places along railroad.

~~572~~

572. *Asplenium*

Polypodiaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 8, 1905. ~~Nepsera~~ Epiphytic in shady forest.

573. *Nephrolepis biserrata* (Sw.) Schott.

Polypodiaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 8, 1905. On old trunks along railroad.

574. *Phyllanthus*

Euphorbiaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 8, 1905. On R.R. track.



575-

Euphorbiaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905 - Along railroad track.

576. *Oeschynomene hispidula* Willd.

Leguminosae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905 - Forming low bushes on railroad track.

577. *Wedelia trilobata* (L.) Hitch.

Compositae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905 - Wet places along railroad track

578 *Hyris*

Lyridaceae

Córdoba (50<sup>m</sup>) near Buenaventura, Cauca - Dec. 8, 1905 - Damp places along railway. Fl. yellow.

579. *Coccoloba acuminata* Benth.

Melastomataceae

Córdoba (50<sup>m</sup>) near Buenaventura, Cauca - Dec. 8, 1905 - Myrmecophilous. Groves isolated, in sunny places of forest. Fl. pink; cor. caduca.

580

Melastomataceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905 - Mossy places, on old trunks, in shady forest. Fl. pink.

581

Rubiaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905 - Small tree, in sunny places of forest. Fl. white.

582. *Mapania pygmaea* Benth.

Hypericaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905. Forest, in marshy places.



583-

Córdoba, near Buenaventura, Cauca - Dec. 8, 1905 - Marshy places in the forest.

584 *Ficus*

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905. Low, bushy tree in marsh.

585- *Columnnea purpurata* Hausskn.

Gesneraceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 8, 1905. Common in bushes. Corolla lutea, caduca.

586

Araceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905. Epiphytic. Spathe purplish green, spadix purple.

587- *Polybotrya canaliculata* Kl.

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905. In thickets.

588

Gesneraceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca - Dec. 8, 1905 - Epiphytic. Fl. red, with green tips.

589- *Patrisia chocoensis* Gr. & Pl.

Flacourtiaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca. Dec. 8, 1905. A small, slender tree, terminating in a few, short, leafy, branchlets. Fl., white, lilas tinged.

590- *Cleocharis mutata* R. & S. ?

Cyperaceae

San José (100<sup>m</sup>), Dagua Valley, Cauca, Dec. 9<sup>th</sup>, 1905. Swampy places along railroad.



591. *Cryptocentrum flavum* Schltr.

Orchidaceae

Córdoba (50<sup>m</sup>), near Buenaventura, Cauca, Dec. 9, 1905. Epiphytic. Fl. yellow.

592. *Lepanthes*

Orchidaceae

593

Orchidaceae

594. *Lepanthes*

Orchidaceae

Córdoba (50<sup>m</sup>) near Buenaventura, Cauca. Dec. 9, 1905. Epiphytic. Fl. albae.

595 *Utricularia montana*

~~Orchidaceae~~

Between Córdoba & San Cipriano, Dagua Valley (70<sup>m</sup>), Cauca. on wet rocks in railway cut. Fl. pink

596. *Fischeria calyculata* Dcne.

Asclepiadaceae

San Cipriano, 80<sup>m</sup>, Dagua Valley, Cauca. Dec. 9<sup>th</sup>, 1905. Fl. yellowish white. A milky wine.

597. *Biophytum sensitivum* DC.

Oxalidaceae

Between S. José and Juntas, 150<sup>m</sup>, Dagua Valley, Cauca. Dec. 10<sup>th</sup>. Fl. lilas. On dry soil along river.

598. *Polygala longicaulis* H. B. K.

Polygalaceae

San José, 100 m., Dagua Valley, Cauca. Dec. 10<sup>th</sup>, 1905. Fl. lilas.



599- Tacaranda

n.v. Gualandai' de costa. - *Palme*

*Bignoniaceae*

S. José, 100<sup>m</sup>, Dagua Valley, Cauca. Dec. 10, 1905. A middle sized tree, with the habitus of *Enterolobium*.

600.

*Gesneraceae*

Between San José and El Roble, Dagua Valley, (120<sup>m</sup>), Cauca. Dec. 10, 1905. On hanging, wet rocks along road. Fl. blanches, stries de violet sur fond de même couleur à la gorge.

601.

*Gesneraceae*

n.v.: gotas de amor.

Between S. José & El Roble, 120<sup>m</sup>, Dagua Valley, Cauca, Dec. 10, 1905. Corolle violacée à la base, lobules blancs, marqués d'une tache violet foncé à leur naissance. Wet, overhanging rocks along road.

602

*Gesneraceae*

Boqueron del Dagua, 500<sup>m</sup>, on wet rocks. Cauca, Dec. 10, 1905. Corolle embe-fec, exter.; inter. rose pâle ponctuée de pourpre; <sup>clair</sup> couronne verte, marbrée de taches pourpre-foncées.

603- *Castilla laquensis* Pittier

*Moraceae*

Near <sup>Juntas</sup> ~~El Roble~~ (300<sup>m</sup>), Dagua Valley. Cauca, Dec. 10, 1905. Large tree, about 60cm. diam. at base. Recept. of ♂ fl. elongated, long pedicellate, 1-3 <sup>thrust</sup> ~~thrust~~ red. Size of trees striking. Lobes at base of leaves less marked. <sup>Phot. R. 2-5</sup> <sup>Alcool.</sup> <sup>Habitus R. 1-2</sup>

604- *Gossypium*

*Malvaceae*

El Naranjo de Dagua, 800<sup>m</sup>, Cauca. Dec. 10, 1905. Tree; ~~apparently~~ <sup>apparently</sup> wild; fl. yellow; glands gen. small.

605- *Schomburgkia splendida* Schltr. sp. nov.

n.v. Esne da o' vara de S. José.

*Orchidaceae*

Boqueron del Dagua, 1000<sup>m</sup>, Cauca, Dec. 10, 1905. Terrestrial. Bracts light pink, outer perianth brown, inner p. pink.

606- *Cordia*

*Boraginaceae*

El Carmen de Dagua, 1200<sup>m</sup>, Cauca, Dec. 11, 1905. Common along road. Fl. white. A bush, 1-1.50 high.



607- <sup>glauca</sup> *Passiflora glauca* L'Hermin. H.B.K. Passifloraceae

608 <sup>chulco</sup> *Viola* <sup>n.v.</sup> chulco Orobanchaceae

609 *Viola obliquifolia* Turcz. Violaceae

610 *Neriocanthus Lehmannianus* Lindau Orobanchaceae

611 Apocynaceae

612- (*Fragaria*) *Duchesnea indica* (Andr.) <sup>Focke</sup> Rosaceae  
Introduced!

613- *Brownea* <sup>grandiceps</sup> ~~arizae~~ Benth. Caesalpiniae  
n.v. arbol de la cruz;

614 *Capicum baccatum* L. Solanaceae  
> n.v. aji pique

S. Antonio (1800<sup>m</sup>), road to Buenaventura, Cauca. Dec. 11, 1905. A small tree, 6-8 m. high, round crown, hanging branches and racemes. Fl. white.

Alto de S. Antonio (2000<sup>m</sup>), road to Buenaventura, Cauca, Dec. 11, 1905. Fl. yellow.

Alto de S. Antonio (2000<sup>m</sup>), road to Buenaventura, Cauca, Dec. 11, 1905. Corolla white, pink tinged outside, pink striated inside.

Alto de S. Antonio (2000<sup>m</sup>), road to Buenaventura, Cauca, Dec. 11, 1905. Bracts pink; corollae white.

Near El Carmen (1200<sup>m</sup>), Laguna Valley, Cauca, Dec. 11, 1905. A vine, very like n° 555, but corollae larger, of lighter color; form of leaves also distinct?

Alto de S. Antonio (2000<sup>m</sup>), road to Buenaventura, Cauca, Dec. 11, 1905. Fl. yellow; fr. like strawberries, but tasteless.

Cali, 1000<sup>m</sup>, Cauca - Dec. 13, 1905 - Arbre, 20 cm. diam., 6-7 m. haut; fl. rouge pourpre. Dit être seulement cultivé.

Cali 1100<sup>m</sup>, Cauca - Dec. 13, 1905. Shrub, ± 1<sup>m</sup> high. Hair tufts under leaves; fl. small, white. Fr. red.



615. *Solanum aculeatissimum* Jacq. Solanaceae

Cali, 1100<sup>m</sup>, Cauca. Dec. 13, 1905. Fleshy, low plant; fl. white, lilac tinged. Fr. <sup>or red when ripe</sup> whitish-green. - Waste places.

616. *Pavonia*

Malvaceae

Cali, 1100<sup>m</sup>, Cauca. Dec. 13, 1905. High (2-3<sup>m</sup>), slender, viny bush, in hedges, Fl. yellow.

617. *Cordia microcephala* Willd.

Borraginaceae

Cali, 1100<sup>m</sup>, Cauca. Dec. 13, 1905. Low shrub, along hedges. Fl. caduques, verdâtres.

618. *Cassia leiophylla* Vogel.

Caes

Cali, 1100<sup>m</sup>, Cauca. Dec. 13, 1905. Bushy shrub, 1.50-2<sup>m</sup> high; fl. yellow; only young pods.

619. *Melastoma pyramidata* L.

Sterculiaceae

Cali, 1100<sup>m</sup>, Cauca. Dec. 13, 1905. Low, shrubby plant, in pastures; fl. purple.

620. *Caphea*

Lythraceae

Cali, 1100<sup>m</sup>, Cauca, Dec. 13, 1905. Along ~~shady~~ hedges.

621. *Spilanthes ocyimifolia* (Lam.) A. H. Moore *Compositae*  
f. *radiiflora*

Cali, 1100<sup>m</sup>, Cauca. Dec. 13, 1905. Along shady hedges.

622. *Cleome spinosa* L.

Capparidaceae

Cali, 1100<sup>m</sup>, Cauca, Dec. 13, 1905. Along hedges. Spring; fl. small, purplish white.



623. *Paspalum*

Gramineae

Cali, 1100<sup>m</sup>, Cauca, Dec. 13, 1905. In pastures.

624. *Valota insularis* (L.) Chase

Gramineae

Cali, 1100<sup>m</sup>, Cauca. Dec. 13, 1905. In pastures; apparently cultivated.

625. *Cochorus* (not in herb.)

Tilcaean

Cali, 1100<sup>m</sup>, Cauca. Dec. 13, 1905. Waste places. Fl. small., yellow.

626. *Chagiphaea mollis* Kunth.

Verbenaceae?

Cali, 1100<sup>m</sup>, Cauca. Dec. 13, 1905. Bushy shrub. Corolla pale yellow<sup>tinge</sup>; 4-lobed; 4 stamens, inserted on tube; short filaments; ovary superior, with style twice as long as corolla (6-8 x 2), bifidum. Orange red berries.

627. *Cassia Tora* L.

Cali, 1100<sup>m</sup>, Cauca. Dec. 13, 1905. Waste places.

628. *Spirochaeta Funckii* Burez.

Compositae

Cali, 1100<sup>m</sup>, Cauca. Dec. 13, 1905. In pastures. Fl. purplish.

> Guelda consuela - Infusion en vino tinto, para hemorragias.

629. *Quazuma ulmifolia* Lam.

Steculiaceae

Cali, 1100<sup>m</sup>, Cauca. Dec. 13, 1905. A low tree, with flat crown. In pastures.

630. *Piper tuberculatum* Jacq. v. *minus* B. & H. Piperaceae

Cali, 1100<sup>m</sup>, Cauca. Dec. 13, 1905. A small tree, 3-4 m. high, with overhanging branches. In hedges.



631. *Leonotis nepetaefolia* (L.) R. Br. Labiatae

n.v. cordon de fraile

Cali, 1100<sup>m</sup>, Cauca, Dec. 13, 1905. Appears first at Nariño, Dagua Valley.

Very common in waste places. Fl. tile-red.

632. *Angelonia salicariaefolia* Humb. & Bonpl. Scrophulariac.

Above Cali, 1300<sup>m</sup>, Cauca. Dec. 14, 1905. Abundant in wet places. Viscous.

Fl. purple, with black dots in gorge.

633. *Meibomia barbata* (L.) Kuntze.

Leguminosae.

Above Cali, 1300<sup>m</sup>, Cauca. Dec. 14, 1905. In pastures, low, rampant; fl. purple.

634. *Miconia albicans* Triana.

Melastomataceae

Above Cali, 1300<sup>m</sup>, Cauca. Dec. 14, 1905. Low bush; fl. scarce, white.

n.v. mortuño. Fr. inustible.

635. *Gleichenia ~~repens~~* (L.) ~~R. Br.~~ mixed  
with *G. flaccida* (Spreng.) Urb.

Cyperaceae

Above Cali, 1300<sup>m</sup>, Cauca. Dec. 14, 1905. Wet places along road and characteristic for the hills.

636. *Eugenia sericeiflora* Benth. v. aff.

Myrtaceae

Above Cali, 1300<sup>m</sup>, Cauca, Dec. 14, 1905. Abundant and characteristic for

n.v. Arayancito de lana. La infusión se usa en inyecciones para curar los  
fluxos uterinos, y como astringentes en enfermedades del estómago.

the hills. Berries caducous, pas ore. Fr. black when ripe.

637. *Rottboellia salzmanni* Trin.

Graminae

Above Cali, 1300<sup>m</sup>, Cauca, Dec. 14, 1905. Lower slopes.

638. *Andropogon saccharoides* Sw.

Graminae

Above Cali, 1300<sup>m</sup>, Cauca, Dec. 14, 1905.



639. *Eragrostis panamaensis* Presl.

Graminae

Atre Cali, 1300m, Cauca - Dec. 14, 1905.

640. *Paspalum conjugatum* Berg.

Graminae

641. *Paspalum minus* Fournier

Graminae

642. *Andropogon saccharides* Sw. ?

Graminae

643. *Bouteloua filiformis* (Fourn.) Griffiths Graminae.

644. *Glidemia hirta* D. Don.

Melastomaceae

Atre Cali, 1300m, Cauca. Dec. 14, 1905. Wet places. Low shrub i fl. white.

645. *Polygala angustifolia* H. B. K.

Polygalaceae

Atre Cali,

646. *Eupatorium pellucidum* A. B. & K.

uv. Trebol o' Sta Maria de montaña - Med. - Hoga untada en aceite se usa contra las fiebres y las inflamaciones.

Cali, cultivated, but seen wild near S. Antonio. Dec. 14, 1905



647. *Polygala galicoides* Poir.

Polygalaceae

Above Cali', 1300<sup>m</sup>, Cauca - Dec. 14, 1905 - Fl. rosy, or light purple.

648. *Pectis elongata* H. B. K.

Compositae

Above Cali', 1300<sup>m</sup>, Cauca - Dec. 1905 - Diminute.

649. *Turnera mollis* H. B. & K.

Turneraceae

Above Cali', 1300<sup>m</sup>, Cauca - Dec. 1905 - Fl. yellow, with brown-purple gorge. Common in waste places.

650

Compositae

Above Cali', 1300<sup>m</sup>, Cauca - Dec. 1905 - Common in waste places.

651. *Pimbristylis diphylla* Vahl.

Cyperaceae

Above Cali', 1300<sup>m</sup>, Cauca - Dec. 1905.

652. *Eupatorium laevigatum* Lam.

Compositae

Above Cali', 1300<sup>m</sup>, Cauca - Dec. 1905 - Bush, about 1.50 high; flow. purplish white. Viscous.

653. *Vernonia*

Compositae

n.v. varejor; med.: infusion to cure stomach diseases

Cali', 1300<sup>m</sup>, Cauca - Dec 14, 1905 - A small tree, 2-3<sup>m</sup> high; fl. purplish-white; very odorous.

654. *Eupatorium tacotanum* Klatt.

Compositae

Above Cali', 1300<sup>m</sup>, Cauca - Dec. 14, 1905 - Bushy plant, 1<sup>m</sup> high; fl. azure-blue.



6655. *Baccharis trinervis* Pers.

Compositae

Above Cali, 1300<sup>m</sup>, Cauca. Dec. 14, 1905. Sarmentose shrub, in bushes; fl. yellowish white.

6656. *Evolvulus alsinoides* L.

Convolvulaceae

Above Cali, 1300<sup>m</sup>, Cauca. Dec. 14, 1905. Fl. azure. In dry places.

<sup>n.v.</sup> cielite

6657.

Sterculiaceae

Above Cali, 1300<sup>m</sup>, Cauca. Dec. 14, 1905. Fl. yellow. A bad weed in dry, waste places.

6658. (*Panicum*) *Syntherisma sanguinalis* (L.) Dulac. Gramineae

Above Cali, 1300<sup>m</sup>, Cauca. Dec. 14, 1905.

6659. *Paspalum* (*Dimorphostachys*) *monostachyum* (H.B.K.) Vasey. Gramineae

Around Cali, western side of Cauca Valley, 1000-1200m. Dec. 14, 1905.

6660. *Brachyotus panamensis* Presl.

Gramineae

6661. *Microchloa setacea* R. Br.

Gramineae

6662. *Chloris ciliata* Sw. Nash

Gramineae

Around Cali, Cauca Valley, 1000-1200m. - Dec. 14, 1905.



663. *Andropogon saccharoides* Sw.

Graminae Above Cali, 1300<sup>m</sup>, Cauca - Dec. 14, 1905.

664. *Andropogon leucostachys* H. B. K.

Graminae

665. *Panicum laxum*

Graminae

666. *Andropogon condensatus elongatus* Hack.

Graminae

667. *Stenophyllus capillaris* (L.) Britton

Cyperaceae

668. *Dolichopus Pittieri* Standley.

Leguminosae  
(Phacelae)

Above Cali, 1300<sup>m</sup>, Cauca - Dec. 14, 1905 - Fl. yellow. A vine.

669. *Dioclea sericea* H. B. K.

Phaseolaceae

Above Cali, 1300<sup>m</sup>, Cauca - Dec. 14, 1905 - A beautiful vine, with large, purple-violet flowers - characteristic of the hills.

670. *Lantana lilacina* Desf.

Verbenaceae

n.v. Venturosa - Med.: sudorifici.

Above Cali, 1300<sup>m</sup>, Cauca - Dec. 14, 1905 - A shrub - Flowers large, lilac. Seen from El Naranjo.



671. *Rhynchanthera grandiflora* B. & P. <sup>Minopella Hand.</sup> *Melastomataceae*

> n.v. mora de caballo = Zanque mulas. Used to make brooms which catch fleas.

672. *Lycoseris mexicana* (L.f.) Cass. & Less. *Compositae*

Above Cali, 1300m, Cauca. Dec. 14, 1905. Fl. purple-vinose. A shrub, about 1.50 high, in swamps. Glutinous. Fr. edible.

Above Cali, 1300m, Cauca. Dec. 14, 1905. A shrub or vine, common on hills.

673. *Tithopha gomphifolia* *Euphorbiaceae*

> Frailecillo, frailejon o purga de fraile. "Gran depurativo" used in troubles of digestion, rheumatism, incipient leprosy and venereal diseases.

Above Cali, 1300m, Cauca. Dec. 14, 1905. Very common in dry places along roads.

674. *Lamarckia aurea* Muench *Graminae*

n.v. cepillo.

~~Above~~ Cali, Cauca, 1200m, in gardens. Dec. 15, 1905. Imported? (leaves much narrower than common. Chile).

675. *Eupatorium molle* H. B. & K. *Compositae*

> n.v. salvia <sup>amarga</sup> real. Med.: Infusion soberana contra los dolores de bilis; en inyecciones limpia la matriz. Tapaiz cruda se usa contra reumatismo.

Cali, Cauca, 1200m, in gardens. Dec. 15, 1905. Also wild. Fl. pinkish white.

676. *Polygala paniculata* L. *Polygalaceae*

Above Cali, 1300m, Cauca. Dec. 14, 1905.

677. *Datura fastuosa* L. *Solanaceae*

> n.v. Borrachero de jardin.

Cali, 1100m, Cauca, in gardens. Dec. 16<sup>th</sup>, 1905.

678. *Cyclanthera pedata* Schrad. var *edulis* Schrad.

> n.v. Achucha. Fr. used as green: Phot. 8594

Achucha? Achucha

Cali, 1100m, Cauca. Wild and in gardens. Dec. 16, 1905.



679

## Gesneriaceae

n.v. curarina, corallina or tapiz - Leaves said to be very poisonous used to cure wasps and spiders bites and stings. Tapiz on account of leaves.

680. *Hymenachne Myuros* Nees.

## Graminae

n.v. gramalote. Sometimes cultivated as fodder-plant

Cali, 1100m, Cauca. Dec. 17<sup>th</sup> 1905. Cultivated but said to be brought from Ventanas - Fl. fire-red; gorge yellow with dark red spots inside. Leaves pinkish under, dark green above; forms curtain-like masses.

Cuesta de Tocota, 1500m, Cauca. Dec. 21, 1905. Trailing; stems often 3m long.

681. *Physalis pubescens* L.

## Solanaceae

n.v. uva - Fruits, when ripe, are eaten raw.

Cuesta de Tocota, 1500m, Dagua Valley, Cauca, Dec. 21, 1905. Fl. yellow.

682. *Heliopsis lophthalmoides* (Jacq.) Don.

## Compositae

n.v. : calisaya (Antioquia); botoncillo (Cauca); a good fodder

Cuesta de Tocota, 1500m, Dagua Valley, Cauca, Dec. 21, 1905. 0.30-1m high.

683. *Bidens pilosa* L.

## Compositae

n.v. paponga - Med. : Infusion used to cure colds.

Cuesta de Tocota, 1500m, Dagua Valley, Cauca. Dec. 21, 1905.

684. *Bidens pilosa* L.

n.v. paponga - Med. Used like the former

## Compositae

Cuesta de Tocota, 1500m, Dagua Valley, Cauca. Dec. 21, 1905.

685. *Panicum martinicense* Griseb.

## Graminae

n.v. guadilla

Cuesta de Tocota, 1500m, Dagua Valley, Cauca. Dec. 21, 1905. Climbing in wet forest.

686. *Piper pulchrum* C. DC.

## Piperaceae

n.v. cordoncillo

Cuesta de Tocota, 1500m, Dagua Valley, Cauca, Dec. 21, 1905. A small tree, 3-4m high., with erect limbs.



687. *Solanum aculeatissimum* Jacq.

Solanaceae

Cuesta de Tocota', 1500', Inagua Valley, Cauca, Dec. 21<sup>st</sup>, 1905. A bushy plant, in pastures

688. *Saurauia*

n.v. lulu moco (Antioquia); moco (Cauca).

Cuesta de Tocota', 1500', Inagua Valley, Cauca, Dec. 21<sup>st</sup>, 1905. A small bushy tree, along brooks and in forest. Fl. white, rather large.

689

Passifloraceae

n.v. norbio, granadilla de monte.

Cuesta de Tocota', 1500', Inagua Valley, Cauca, Dec. 21<sup>st</sup>, 1905. Petals white, with green zone outside; stigmata purple.

Cuesta de Tocota', 1500'

690

n.v. musgo

Cuesta de Tocota', 1500', Inagua Valley, Cauca, Dec. 21<sup>st</sup>, 1905. On coffee trunks.

691

Campanulaceae

Cuesta de Tocota', 1500', Inagua Valley, Cauca, Dec. 21, 1905. Large, shrubby herb, in forest. Fl. rose-rose, <sup>anth.</sup> fillets rose; <sup>st.</sup> stamens de noir.

692. *Campyloneurum repens* (L.)

Polypodiaceae

Cuesta de Tocota', 1500', Inagua Valley, Cauca, Dec. 21, 1905. Epiphytic in forest.

693

Monimiaceae

n.v. naranjo de monte

Cuesta de Tocota', 1500', Inagua Valley, Cauca, Dec. 21, 1905. A small tree, 4-6 m. high, with many bent stems.

694. *Centropogon grandis* Presl.

Campanulaceae

Cuesta de Tocota', 1500', Inagua Valley, Cauca, Dec. 21, 1905. In the river - Fl. bright red.



695

n.v. naranjillo

Monimiaceae Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21<sup>st</sup> 1905. A small tree, in forest.

696

n.v. llanten macho

Plantaginaceae Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21<sup>st</sup> 1905. In pastures.

697- *Salvia petiolaris* H.B.K.

n.v. Prende amor

Labiatae Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21<sup>st</sup> 1905. Fl. azure-blue, much larger than in *S. costaricensis*.

698- *Calceolaria glutinosa* Heer & Regel.

> n.v. carielito

Scrophulariaceae Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. Fl. yellow.

699- *Oplismenus compositus* Beauv.

> n.v. ratonera. No good fodder

Graminae Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905.

700

n.v. mora

Rosaceae Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. Forms large bushes in pastures. Fruits red when ripe.

701- *Cleome anomala* H.B.K.?

n.v. Frailejon

Capparidaceae Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. Fl. orange-red. Fl. glutinous.

702

n.v. berro macho

Cruciferae Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. Weed.



703

n.v. berro hembra

Cruciferae

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. Weed.

704. *Stachys bogotensis* H.B.K.

Labiatae

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. Fl.  
pale pink.

705

Compositae

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. Half  
dwarfing bush.706. *Liabum hastifolium* Poepp. & Endl.

Compositae

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905.

707. *Liabum asclepiadeum* Sch. Bip

Compositae

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. Half  
trailing shrub.708. *Asplenium ocaeniense* Karst.

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. In rocks.

709

n.v. papayilloCuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. Stems single,  
2.50-4" high.; female flowers abortive, except one or two; pedicels 5 cm. Fruit spheric;  
5 mm. axial diam., 6-7 equat. diam.; orange yellow. In silvis.710. *Meriania speciosa* Naud. Melastomataceaen.v. flor de mayo (Cali, y Cauca); siete cueros (Antioquia).Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. A small  
bushy, very showy tree, in old clearings.



711. *Piper exserens* C. DC. v. *Tocotanum* C. DC. Piperaceae

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. A small tree, 2-3 m. high.

712. *Piper hispidum* Sw. v. *magistalinus* C. DC. Piperaceae

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. A bush, 1-2' high.

712a. *Piper insignifolium* C. DC.

713. *Piper vazquanum* C. DC.

Piperaceae

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. A small tree, with slanting stems, and vertical shoots.

714. *Anacacia xanthorrhiza* Baur.

Umbelliferae

n.v. anacacha; cultivated on large scale; raw the roots are fed to cattle; cooked they are one of the staple-foods of the Caucaños

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. Phot.

715

Gemneraceae

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. A large, leafy stem; fl. brick red. In shady forest.

716. *Lapium verum* Hemsl.

n.v. caucho blanco.

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. A large tree. V. notes and phot.

717. *Calophyllum*?

Sapotaceae?

chaguale, or mamey silvestre. Used as ties on roofs.

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. A small tree, in coffee-plantation.

718

Cactaceae

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 21, 1905. Epiphytic on *Myrodia*.



719. *Quararibea* Cacao P. & T.  
n.v. berraco.

Sterculiaceae

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 22, 1905. A small, pyramidal tree, 6-8 m. high, in coffee-plantation. Fl. white.

720. *Cassia*  
n.v. cañafistolito

Leguminosae

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 22, 1905. A treelet, 2 m high; fl. yellow.

721. *Castilleja communis* Benth.  
n.v. venadillo.

Scrophulariaceae

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 22, 1905.

722. *Klaprothia mentzeloides* H. B. & K.

Loraceae?

Cuesta de Tocota, 1500', Dagua Valley, Cauca, Dec. 22, 1905. 4 petals, free, white; low, trailing plant.

723. *Begonia foliosa* Kunth.

Begoniaceae

Cuesta de Tocota, 1600'-2000', Dagua Valley, Cauca, Dec. 22, 1905.

724. *Micromeria Brownei* Benth.

Labiatae

Cuesta de Tocota, 1700', Dagua Valley, Cauca, Dec. 22, 1905. Fl. small purple.

725. *Phyllanthus*

Euphorbiaceae

Cuesta de Tocota, 1600', Dagua Valley, Cauca, Dec. 22, 1905. Vine-like shrub.

726. *Claphoglossum Dombeyanum* (Fee)?

Polypodiaceae

Cuesta de Tocota, 1700', Dagua Valley, Cauca, Dec. 1905. Epiphytic.



727- *Epidendrum fimbriatum* H. B. K.

Orchidaceae

Cuesta de Tocota, 1700<sup>m</sup>, Dagua Valley, Cauca, Dec. 22, 1905. Fl. pink, with purple dots.

728. *Mimosa*

Polygalaceae

Cuesta de Tocota, 1600<sup>m</sup>, Dagua Valley, Cauca, Dec. 22, 1905. Fl. purple,

729- *Gaultheria cordifolia* H. B. K.?

Ericaceae

Cuesta de Tocota, 1600<sup>m</sup>, Dagua Valley, Cauca, Dec. 22, 1905.

730- *Gaultheria cordifolia* H. B. K.

Ericaceae

Cuesta de Tocota, 1600<sup>m</sup>, Dagua Valley, Cauca, Dec. 22, 1905.

731- *Gonzalagunia*

Rubiaceae

Alto de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca, Dec. 22, 1905.

732- *Trifolium*

Phaeolaceae

Alto de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca, Dec. 22, 1905.

733

Compositae

Alto de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca, Dec. 22, 1905. Stems 2-2.50 high, herbaceous.

734- *Liabum hastifolium* Poepp. & Endl.

Compositae

Alto de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca, Dec. 22, 1905. Stems long, half trailing



735. *Eupatorium leptcephalum* Bb.

Compositae

to de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca, Dec. 22<sup>d</sup>, 1905. 1<sup>m</sup> high, in clearings.

736 *Lisianthus acutangulus* R. & P.

Gentianaceae

to de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca, Dec. 22<sup>d</sup>, 1905. 2<sup>m</sup>. fl. yellowish white.

737 *Brachistus*

Solanaceae

to de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca, Dec. 22<sup>d</sup>, 1905. Erect, at 1.50 high. Fl. yellow with purple streaks.

738

Passifloraceae

to de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca, Dec. 22<sup>d</sup>, 1905. Fl. small, white.

739

Campanulaceae

to de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca, Dec. 22, 1905. Herbaceous; fl. by red, with yellow tips

740. *Croton*

Euphorbiaceae

to de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca, Dec. 22, 1905. Small, shrubby, in clearing.

741

Plantaginaceae

to de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca, Dec. 22, 1905. In pastures.

742

Campanulaceae

to de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca, Dec. 22, 1905. Epiphytic, green. Shady forest.



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or



7 743. *Anthurium pulchellum* Engl.

Oraceae Alto de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca. Dec. 22, 1905. Epiphytic.  
One single specimen, in shady forest.

7 744. *Pedilanthus tithymaloides* Brit.

Euphorbia Alto de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca, Dec. 22, 1905. A bush,  
1<sup>m</sup> 20 high. Fl. whitish.

7 745. *Goniophlebium*

Polypodiaceae Alto de las Cruces, 1900<sup>m</sup>, Dagua Valley, Cauca, Dec. 22, 1905. Epiphytic.

7 746. *Sporobolus purpurascens* (Sw.) Hamilt.

Gramineae San Antonio, 1700<sup>m</sup>, road to Buenaventura, Cauca, Dec. 21, 1905.

7 747

Compositae San Antonio, 1700<sup>m</sup>, road to Buenaventura, Cauca, Dec. 21, 1905. A bushy  
shrub, in open places

7 748. *Befaria glauca* Humb. & Bonpl.  
n.v. Anqucha -

Eriaceae San Antonio, 1700<sup>m</sup>, road to Buenaventura, Cauca, Dec. 21, 1905. A small  
shrubby tree, floriferous, 3-4 m. high, flowers more or less pink.

7 749. *Glibadium caracasense* D.C.

Compositae Entre S. Antonio & El Saladito, 1600<sup>m</sup>, road to Buenaventura, Dec. 21, 1905.

7 750. *Stevia verticillata* Thunb.

Compositae Between S. Antonio & El Saladito, 1600<sup>m</sup>, road to Buenaventura, Dec. 21, 1905.  
Fl. white, few in capitulae.



7. 751. *Lantana trifolia*

Verbenaceae Between S. Antonio & El Saladito, 1600', road to Buenaventura, Cauca, Dec. 21, 1905.  
Fl. pink/lilac).

7. 752. *Baccharis cassinaefolia* DC. ?

Compositae Betw. S. Antonio & El Saladito, 1600', road to Buenaventura, Cauca, Dec. 21, 1905.

7. 753. *Weinmannia pubescens* H.B.K.

Saxifrage Betw. S. Antonio & El Saladito, 1600', road to Buenaventura, Cauca, Dec. 21.  
Small tree, 4-6 m. high, bushy.

7. 754. *Sitassa caucana* Pittier sp. nov.

<sup>Asclepiad</sup>  
~~Opuntiaceae~~ Betw. S. Antonio & El Saladito, 1600', road to Buenaventura, Cauca, Dec. 21.  
A vine; fl. white; pl. milky.

7. 755. *Couratella hirsutissima* L.

Borraginaceae Betw. S. Antonio & El Saladito, 1600', road to Buenaventura, Cauca, Dec. 21, 1905. A  
small, bushy tree; fl. greenish.

7. 756. *Baccharis cinnamomifolia* H.B.K.

Compositae Betw. S. Antonio & El Saladito, 1600', road to Buenaventura, Cauca, Dec. 21, 1905.

7. 757. *Eupatorium tacotanum trineurolepis* Robinson

Compositae Betw. S. Antonio & El Saladito, 1600', road to Buenaventura, Cauca, Dec. 21. 05

7. 758. *Galea caracasana* (H.B.K.) Hieron

Compositae Betw. S. Antonio & El Saladito, 1600', road to Buenaventura, Cauca - Dec. 21.



7 759. *Hyptis*

Labiatae.

El Saladito, 1500<sup>m</sup>, above Cali, Cauca, Dec. 21, 1905 - differs from ~~following~~ <sup>following</sup> in hairiness of leaf, soft tomentous, spikes more dense, coroll. light purple instead of bluish purple.

7 760. *Hyptis polystachya* H. B. K.

Labiatae.

El Saladito, 1500<sup>m</sup>, above Cali, Cauca, Dec. 21, 1905. In clearings, a weed.

7 761. *Castilleja*

Scrophulariaceae

El Saladito, 1500<sup>m</sup>, above Cali, Cauca, Dec. 21, 1905. Fl. orange-red.

7 762

Melastomaceae

El Saladito and everywhere, above 1400<sup>m</sup>, Cauca, Dec. 21, 1905. Fl. yellow white; a small bush. Characteristic of the mountain region.

7 763. *Zanthoxylum*. *Rhus juglandifolia* H. B. K. Rutaceae

n.v. <sup>caopi</sup> ~~muhi~~; said to be very poisonous; its handling being followed by swelling, and blinding. I did not experiment any such symptoms.

7 764. *Oregopogon geminiflorus* H. B. K.

Graminae

El Saladito, 1500<sup>m</sup>, above Cali, Cauca, Dec. 21, 1905. Small tree, 6-8m. high, fl. in bunches. Fl. yellowish white.

Above San Antonio, 1900<sup>m</sup>, road to Buenaventura, Cauca, Dec. 21, 1905. ~~Epiphytic~~

7 765. *Polypodium*

Polypodiaceae

Above S. Antonio, 1900<sup>m</sup>, road to Buenaventura, Cauca, Dec. 21, 1905. Epiphytic.

7 766

Compositae

Above S. Antonio, 1900<sup>m</sup>, road to Buenaventura, Cauca, Dec. 21, 1905. A vine. Fl. white.



7 767

7 768 - *Polypodium myrsinoides* Sw.

7 769

7 770

7 771

7 772 - *Eupatorium popayanense* Hieron.

7 773

774.

Rotten

Rubiaceae Above San Antonio, 1900<sup>m</sup>, road to Buenaventura, Cauca. Dec. 21, 1905.  
A shrub; fl. reddish yellow.

Polypodiaceae Above S. Antonio, 1900<sup>m</sup>, road to Buenaventura, Cauca, Dec. 21, 1905 - Epiphytic

Orchidaceae Above S. Antonio, 1900<sup>m</sup>, road to Buenaventura, Cauca, Dec. 21, 1905 - Epiphytic. Up-  
per floral leaves, green with ~~petiole~~ bands; labellum yellow with brown spots.

Ericaceae Above S. Antonio, 1900<sup>m</sup>, road to Buenaventura, Cauca, Dec. 21, 1905 - E-  
piphytic; fl. red.

Melastomataceae Between El Saladito & Cali, 1400<sup>m</sup>, Cauca. Dec. 21, 1905 - Bushy shrub; fl.  
white.

Compositae Betw. El Saladito & Cali, 1400<sup>m</sup>, Cauca. Dec. 21, 1905 - Fl. white

Lauraceae Betw. El Saladito & Cali, 1400<sup>m</sup>, Cauca, Dec. 21, 1905 - Small tree, laurel-  
like. 4 white petals, 4 stamens.

Apocynaceae Betw. El Saladito & Cali, Cauca, Dec. 21, 1905 - A vine; fl. light  
yellow.



7 775. *Escobedia scabrisolia* R. & S.

Betw. El Saladito & Cali, 1400', Cauca, Dec. 21, 1905. Fl. white.

7 776. *Indigofera lespedezioides* H. B. & K. Phaeolaceae

Betw. El Saladito & Cali, 1400', Cauca, Dec. 21, 1905. Fl. tile-red.

7 777. *Bryum argenteum* L. Muscin.

Above S. Antonio, 1400', road to Buenaventura, Cauca, Dec. 21, 1905.

7 778. *Bryum* sp. (mat. insufficient for determ.) Muscin.

Above S. Antonio, 1400', road to Buenaventura, Cauca, Dec. 21, 1905.

7 779. *Ocotea zapota*  
> n.v. nispero.

Lapotaceae

Cali, 1100', Cauca. Dec. 23. Arborescens 12-15 metres high. Fl. white, in cymes - Phot.

7 780. *Mammea americana* L.  
> n.v. mamei - Fr. comestible

Guttiferae

Cali, 1100', Cauca. Dec. 23, 1905. Arbre élancé, 8-12", haut. Fl. jaunes. Fr. 5-10 cm. diam. Peau épaisse. 1 semille.

7 781. ~~*Chaplinanthus distichus* Mall.~~ *Cuphorbia*  
> n.v. grosella - Fruits acid, edible or used to prepare a refreshing drink

Cali, 1100', Cauca. Dec. 23, 1905. Arbre à cime allongée, 6-8" haut. Fleurs unguiculées. Fruits en grappes, immatures.

782  
n.v. algodon de virón

Cali, 1100', Cauca. Dec. 23, 1905. Small tree, 3" high. Limbs long & flexible. Middle rib gland large, the lateral ones very small. 3 small glands at base of bracts. Fl. A small black ant almost always present.



783. *Gossypium*  
n.v. algodon de la virgen

784. *Gossypium*  
n.v. algodon pajarito

785. *Petrea obtusifolia* Benth.  
n.v. pavita

786. *Boehmeria brevirostris* Weddell.?

787. *Philibertia crassifolia* Hemsl.

788. *Bryonia*?  
n.v. jiqua colorado. Used as fuel.

789. *Myroxylum*  
Coche

790. *B. umbrosa*?  
n.v. cachimbo. A shade tree.

Malvaceae

Verbenaceae

Urticaceae

Asclepiadaceae

Lauraceae

Leguminosae

Leguminosae

Cali, 1100<sup>m</sup>, Cauca. Dec. 23, 1905. Low bush; young stems hairy; leaves with 3 lobes, not deeply cut. One gland on middle rib. Basal glands little developed. Fruits ovoid. Much attacked by the larva of a beetle. Fl. white, turning <sup>to pink</sup>.

Cali, 1100<sup>m</sup>, Cauca, Dec. 23, 1905. A small tree, 3m. high; lower limbs hanging; the upper ones erect. Leaves mostly 5 lobed, often with only three. One gland on mid rib. Very small basal glands. Fl. <sup>jaune vif</sup> yellow, turning to purple-red. Fruits with pointed apex.

Cali, 1100<sup>m</sup>, Cauca, in gardens. Dec. 25, 1905. Bushy, erect, 2-3m. high.

Cuesta de Tocota, 1400<sup>m</sup>, Dagua Valley, Dec. 20, 1905. Stems 1.50-2<sup>m</sup> high.

La Manuelita, near Palmira (1200<sup>m</sup>), Cauca, Dec. 28<sup>th</sup> 1905. A vine; fl. white. Milky.

La Manuelita, near Palmira (1200<sup>m</sup>), Cauca, Dec. 28<sup>th</sup> 1905. A small tree, 6-8<sup>m</sup> high.

La Manuelita, near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28<sup>th</sup> 1905. Planted in the yard near to house.

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28<sup>th</sup> 1905. A large, 20-30 m tree, with red flowers. Seen at about 150<sup>m</sup> in the Dagua Valley.



791. *Melochia tomentosa* L.

*Gtersoniaceae*  
*Herculesaceae*

La Manuelita near Palmira, 1200', Dec. 28<sup>th</sup>, 1905. A weed in cane-plant.  
Fl. pink.

792 *Eupania latifolia* Kunth.

*Euphorbiaceae*

n.v. mestizo blanco - Used as fuel

La Manuelita near Palmira, 1200', Dec. 28<sup>th</sup>, 1905. A small tree 3-4' high;  
fl. white, hirsute, calyx 4, cor. 4, st. 8.

793

*Rubiaceae*

La Manuelita near Palmira, Cauca, 1200', Dec. 28, 1905. A shrub; fl. white

794. *Triumfetta semitriloba* L.

*Biliaceae*

n.v. cadillo - Se usa para limpiar miel de caña

La Manuelita near Palmira, Cauca, 1200', Dec. 28, 1905. A shrub, 1.50-2' high. Fl. yellow.

795. *Psidium Quaya* L.

*Myrtaceae*

n.v. quayabo blanco

La Manuelita near Palmira, Cauca, 1200' Dec. 28, 1905. A small tree, 3-4m. high. Fl. white.

796 *Euphorbia sanguinalis*?

*Euphorbiaceae*

n.v. sangre drago - Bark used to clean teeth.

La Manuelita near Palmira, 1200', Cauca. Dec. 28, 1905. A small, low tree.

797

n.v. abrote v. adorote

La Manuelita near Palmira, 1200', Cauca, Dec. 28, 1905. A shrub; fl. white.  
Pet. 5; st. 5(?).

798. *Crema micrantha* Blume

*Urticaceae*

n.v. surunde - Bark used as cord.

La Manuelita near Palmira, 1200', Cauca; Dec. 28, 1905. A small tree.



799. *Cestrum brevifolium?*

n.v. jazmin de caballo

Solanaceae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca. Dec. 28, 1905. A shrub, fl. greenish white.

800.

Leguminosae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca. Dec. 28, 1905. Fl. pink.

801. *Psychotria alba* R. & P.

Rubiaceae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca. Dec. 28, 1905. Fl. white.

n.v. casango

- Madera muy fina; se usa para estacas.

802. *Gonzalea hirsuta* K. Sch.

Rubiaceae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca. Dec. 28, 1905. Fl. white. Shrub.

n.v. quayabillo de llano.

803.

11. 24.

Moraceae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca. Dec. 28, 1905. A small tree, 4-6<sup>m</sup> high; fl. in capitula, greenish.

804. *Eupatorium odoratum* L.

Compositae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca. Dec. 28, 1905. Fl. lilac.

n.v. varejon de caballo

805.

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca. Dec. 28, 1905. Arbolito, 1<sup>m</sup> - 1.50.

806. *Xanthoxylum microcarpum* Griseb.

Rutaceae

La Manuelita, near Palmira, 1200<sup>m</sup>, Cauca. Dec. 1905. A small tree, 3-4<sup>m</sup> high.

n.v. tachuela.



807. *Zanthoxylum martinicense* (Lam.) D.C. ?? Rutaceae  
n.v. : tachuelo. Used as fuel.

808. *Cordia peruviana* R. & S. ? Boraginaceae

809. *Cladenaria floribunda* H. B. & K. Lythraceae

810. *Echites microcalyx* A. DC. Asclepiadaceae

811. *Echites microcalyx* A. DC. Asclepiadaceae

812. *Phyllanthus acuminatus* Vahl. Euphorbiaceae  
n.v. chirinchao - Used as fuel

813. *Spermacoce laevis* (Lam.) Griseb. ? Rubiaceae

814. *Physalis aequata* Jacq. Solanaceae  
n.v. uva de perro

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905. A small tree, 4-5<sup>m</sup> high; trunk covered with spines. Fl. white.

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905. A shrub; fl. white.

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905. A shrub; fl. white  
calice monosep., 4 div. vertes, punctués de rouge, 4 pet. blancs, point. de rouge, cordes, 4  
stamens.

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905. A vine; fl. yellow  
with purple center.

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 20, 1905. Apparently same as  
810, but leaves minute.

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 20, 1905. A small tree, 2-  
3<sup>m</sup> high.

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 20, 1905. A weed; fl.  
white.

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 20, 1905. A weed; fl.  
small, yellow with purple spots.



815. *Calium patens* Willd.

n.v. : Lechuga simanana

816

n.v. botoncillo

Compositae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905. A weed.

817. *Echinochloa crus Galli* (L.) Beauv.

Graminae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905. In ditches along roads.

818. *Crinum patens* H. B. K.

Liliaceae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905. A shrub, along roads; fl. yellow.

n.v. cadillo

819. *Limnorcharis emarginata* H. B. & K.

n.v. Lechuga de cienaga.

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905. In ditches. Stems triangular. Fl. greenish yellow, trimerous.

820. *Eleocharis geniculata* R. Br.

Juncaceae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905. In ditches.

n.v. juncos

821. *Euphorbia*

Euphorbiaceae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905. A common weed. Stems 75 cm. high, nude.

822. *Imperata caudata* Trin.

Graminae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905. Along ditches.

n.v. bende aguja



823. *Stachys bogotensis* H. B. K.

Labiatae

Manuelita near Palmira, 1200', Cauca, Dec. 28, 1905. A weed; fl. small, white.

824. *Malvastrum tricuspidatum* (L.).

Malvaceae

n.v. escoba. Used for brooms

Manuelita near Palmira, 1200', Cauca, Dec. 28, 1905. A common weed.

825. *Acalypha*

Euphorbiaceae

n.v. hierba del chibo.

Manuelita near Palmira, 1200', Cauca, Dec. 28, 1905. A common weed.

826. *Mentzelia aspera* L.

Loasaceae

n.v. chamisa

Manuelita near Palmira, 1200', Cauca, Dec. 28, 1905. Fl. tile-red.

827. *Cenchrus viridis* Spreng.

Graminae

Manuelita near Palmira, 1200', Cauca, Dec. 28, 1905. A weed.

828. *Eriochloa punctata* (L.) Hamet.

Graminae

Manuelita near Palmira, 1200', Cauca, Dec. 28, 1905.

829

Cucurbitaceae

n.v. regarganz.

Manuelita near Palmira, 1200', Cauca, Dec. 28, 1905. A vine in the plantation; fl. bright yellow.

830. *Spananthe paniculata* Jacq.

Umbelliferae

Manuelita near Palmira, 1200', Cauca, Dec. 28, 1905. A weed.



8831. *Chloris radiata* Sw.

Graminae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca - Dec. 28, 1905.

8832. *Leptochloa domingensis* (Jacq.) Trin.

Graminae.

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905.

8833. *Bouchea Ehrenbergi* Cham. ?

Verbenaceae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905. A common, much weed. Fl. pink.

n.v. *Verbena*

8834. *Spilanthes ocyneifolia* (Lam.) A. H. Moore. Compositae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905. A weed.

8835

Euphorbiaceae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905.

8836. *Gymnium*

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 28, 1905. A small tree; fl. yellow bright turning to dark purple. No bracteal glands. Phot.

8837. *Inga edulis* Mart.

Leguminosae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca. Dec. 28, 1905. A tree, 6-7<sup>m</sup> high, with depressed crown. Phot

n.v. quaro quasca

8838. *Peschynomene sensitiva* Sw.

Leguminosae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 30, 1905. A bush, in pasture. Fl. yellow.



8 839. *Cessaria mucronata* DC.  
n.v. aliso

Compositae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 30, 1905. A small tree, 3-4 m. high. Fl. lilac.

8 840. *Lotoxalis hedyosaroides* (H.B.K.)

Oxalidaceae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 30, 1905. A weed in garden.

8 841 *Datura stramonium* L.  
n.v. chamico

Solanaceae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 30, 1905. A common weed; fl. purplish.

8 842. *Physalis angulata* L.

Solanaceae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 30, 1905. A weed; fl. yellow; bracts purple striated.

8 843 *Rheedia Madroño* Tr. & Pl.  
n.v. madroño

Guttiferæ

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 30, 1905. A small tree, 6-8<sup>m</sup> high, pyramidal. Yellow fruits, 2-3 seeds. Fr. round. Mrt.

8 844. *Chaetochloa gracilis* (H.B.K.) L.M. [det.]/Graminæ

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 30, 1905.

8 845. *Paspalum notetum* Poepp.

Graminæ

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 30, 1905.

8 846. *Valota insularis* (L.) Chase  
n.v. rabo zorro

Graminæ

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 30, 1905.



8 847. *Paspalum Liebmanni* Fourn.?

Graminae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca - Dec. 30, 1905 -

8 848. *Chaetochloa gracilis* (H.B.K.) L.M.

Graminae

La Manuelita near Palmira, Cauca - Dec. 30, 1905.

8 849. *Eupatorium molle* H.B.K.

Compositae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca - Dec. 30, 1905 - Stems  $\pm$  2<sup>m</sup> high.  
Fl. white.

8 850. *Erigeron mucronatus* D.C.

Compositae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 30, 1905 -

8 851. *Eupatorium morifolium* Mill.

Compositae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 30, 1905 - Pretty like  
*E. populifolium*. Form of leaves distinct.

8 852. *Brechlites hieracifolia* (L.) Rap.

Compositae

8 853. *Indigofera Anil* L.

Leguminosae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 30, 1905 -

8 854. *Zornia diphylla* L.

Leguminosae

La Manuelita near Palmira, 1200<sup>m</sup>, Cauca, Dec. 30, 1905 - In pastures.



8 855. *Hyptis*

Labiatae

La Manuelita near Palmira, 1200', Cauca, Dec. 30, 1905.

8 856. *Salvia*

Labiatae

La Manuelita near Palmira, 1200', Cauca, Dec. 30, 1905. Labellum azure,  
streaked with white; tube white.

8 857. *Ornithopteris hirsuta* (Sw.) Berk.

Fern

La Manuelita near Palmira, 1200', Cauca, Dec. 30, 1905.

8 858. *Stachytarpheta cayennensis* Vahl.

Verbenaceae

La Manuelita near Palmira, 1200', Cauca, Dec. 30, 1905. Fl. purplish  
hue.

8 859. *Lida acuta* Benth.  
n.v. Escoba

Malvaceae

La Manuelita near Palmira, 1200', Cauca, Dec. 30, 1905. In waste  
places. Peduncles short; brachlets distinct.

8 860. *Lida rhombifolia* L.  
n.v. escoba

Malvaceae

La Manuelita near Palmira, 1200', Cauca, Dec. 30, 1905. In waste places.  
Peduncles long; ramification on all sides.

8 861. *Cyperus flavus* (Vahl) Nees.

Cyperaceae

La Manuelita near Palmira, 1200', Cauca, Dec. 30, 1905.

8 862. *Jussiaea repens* L.

~~Onagraceae~~

La Manuelita near Palmira, 1200', Cauca, Dec. 30, 1905.



863. *Mentzelia*?

*Loasaceae*  
*Cappariaceae*

Open places at Miraflores, 1800', near Palmira, Cauca. Jan. 1<sup>st</sup> 1906. A low plant, each sample forming a round cluster. Fl. purple wd.

864

*Anonaceae*

In the forest above Miraflores, 1900', near Palmira, Cauca. Jan. 1<sup>st</sup> 1906. A small, 6-8' high tree; trunk straight, elongated crown.

865. *Funaria hygrometrica* (L.) Sibth.

*Musci*

Above Miraflores, 1900', near Palmira, Cauca. Jan. 1<sup>st</sup> 1906. On the ground.

866. *Boconia frutescens* L.  
Hb.

*Papaveraceae*

Above Miraflores, 1900', near Palmira, Cauca. Jan. 1<sup>st</sup> 1906. In clearings.

867. *Claphoglossum*

*Polypodiaceae*

Above Miraflores, 1900', near Palmira, Cauca, Jan. 1<sup>st</sup> 1906. On ground.

868

*Campanulaceae*

Above Miraflores, 1900', near Palmira, 1900', Jan. 1<sup>st</sup> 1906. Forming bushy clusters in clear forest. Fl. pink.

869. *Microstylis moritzii* Ridley.

*Orchidaceae*

Above Miraflores, 1900', near Palmira, 1900', Jan. 1<sup>st</sup> 1906. Terrestrial

870

*Oxalidaceae*

Above Miraflores, 1900', near Palmira, 1900', Jan. 1<sup>st</sup> 1906.



871

Lythraceae

Above Miraflores, 1900', near Palmira, Cauca, Jan. 1<sup>st</sup> 1906. A trailing  
herb, in clear places of forest.872. *Solanum triste* Jacq.?

Solanaceae

Above Miraflores, 1900', near Palmira, Cauca, Jan. 1<sup>st</sup> 1906. Fl. yellow, with  
purplish brown spots at base of petals. In clearings.873. *Bomarea edulis* Herb.

Liliaceae

Miraflores, 1800', near Palmira, Cauca. A vine; petals pink, with green tips,  
and <sup>purple</sup> brown spots.874. *Liabum hastifolium* Poepp. & Endl.

Compositae

Miraflores, 1800', near Palmira, Cauca. Jan. 1<sup>st</sup> 1906. Trailing in bushes.875. *Panicum Sloanei*

(50) Graminae

Miraflores, 1800', near Palmira, Cauca. Jan. 1<sup>st</sup> 1906.

876

Rubiaceae

Miraflores, 1800', near Palmira, Cauca, Jan. 1<sup>st</sup> 1906. A shrub, 2' high;  
fl. yellow.

877

Rubiaceae

Miraflores, 1800', near Palmira, Cauca, Jan. 1<sup>st</sup> 1906. A trailing herb; fl.  
whitish; corolla elongate, hairy. In bushes.878. *Buettneria*?

Sterculiaceae

Miraflores, 1800', near Palmira, Cauca, Jan. 1<sup>st</sup> 1906. A vine, fl. greenish.



879.

Orchidaceae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906 - Terrestrial; fl. green.

880. *Gordia*? *Saurauja*?

Borragniaceae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906 - A shrub. Fl. white.

881.

Loganiaceae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906 - Fl. green, with purplish tips.

882.

Gesneraceae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906 - A small tree; fl. red.

883. *Tagetes Mandoni* Sch. Bip.

Compositae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906 - An odorous plant, in clearings.

884.

Solanaceae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906 - A vine, fl. large, purple with white.

885. *Cunnefortia hirsutissima* L.

Borragniaceae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906 - A bush, in open places; fl. green.

886. *Panicum divaricatum* L.

Graminae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906 - A trailing grass, in bushes.



887. *Manettia cuspidata* Bert. ? ? ? ? ?

Rubiaceae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906. A shrub. Fl. white.

888. *Blechnum occidentale* L.

Polypodiaceae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906. Around old trunks.

889<sup>a</sup> *Schistocarpus paniculata* Klatt.

Compositae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906. A weed. Fl. yellow.

8 What is, and where is it? Ask Robinson

890. *Coccocypselum canescens* Willd.

Rubiaceae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906. A weed; fl. purple blue; seeds blue.

891. *Cyathia petiolulata* Karsten

Cyathaceae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906. Autorems.

892. *Dryopteris*

Polypodiaceae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906.

893. *Wedelia caracasana* DC.

Compositae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906. Climbing among bushes.

894. *Columnea purpurata* Hausskn.

Gesneraceae

Miraflores, 1800<sup>m</sup>, above Palmira, Cauca, Jan. 1<sup>st</sup> 1906. Climbing, half epiphytic. Fl. minute, yellow.



895. *Hyptis atrovirens* Poit.

Labiatae

Miraflores, 1800', above Palmira, Cauca. Jan. 1<sup>st</sup> 1906. Fl. pinkish-white; in clearings.

896. *Eupatorium pellucidum* HB & K.

Compositae

Miraflores, 1800', above Palmira, Cauca. Jan. 1<sup>st</sup> 1906. Fl. blue-azure. In open places.

897. *Centropogon grandis* Presl.

Campanulaceae

Miraflores, 1800', above Palmira, Cauca. Jan. 1<sup>st</sup> 1906. Under forest cover. Fl. red, leaves purple underneath.

898. *Piper exserens* C. DC. var. *mirafloresanum* C. DC. *Piperaceae*  
*resanum* C. DC.

Miraflores, 1800', above Palmira, Cauca. Jan. 1<sup>st</sup> 1906. A small tree, 2-3m high.

899. *Besleria acutifolia* Benth.

Gesneraceae

Miraflores, 1800', above Palmira, Cauca. Jan. 1<sup>st</sup> 1906. A shrub; fl. red.

900.

Malpighiaceae

Miraflores, 1800', above Palmira, Cauca. Jan. 1<sup>st</sup> 1906.

901. *Centropogon surinamensis* Presl.

Campanulaceae

Below Miraflores, 1600', near Palmira, Cauca. Jan. 2<sup>d</sup> 1906. In clearings and open places; fl. pink.

902.

Annonaceae

Below Miraflores, 1600', near Palmira, Cauca. Jan. 2<sup>d</sup> 1906. A small tree.



903. *Mimosa pubescens* H.B.K.

Polygalaceae

Below Miraflores, 1600<sup>m</sup>, near Palmira, Cauca. Jan. 2<sup>d</sup>, 1906. A shrub.

904. *Vernonia arborescens* Sw.

Compositae

Near Potrerillos, 1500<sup>m</sup>, near Palmira, Cauca, Jan. 2<sup>d</sup>, 1906.

905. *Podocarpus*

~~Lauraceae~~  
~~Podocarpus~~

Around Potrerillos, 1600<sup>m</sup>, near Palmira, Cauca. Jan. 2<sup>d</sup>, 1906. A small tree, 2-3<sup>m</sup> high; fl. white.

906. *Scutellaria Lindeniana* D.C.

Labiatae

Around Potrerillos, 1600<sup>m</sup>, near Palmira, Cauca. Jan. 2<sup>d</sup>, 1906. Fl. red.

907. *Meibomia*

Leguminosae

Around Potrerillos, 1600<sup>m</sup>, near Palmira, Cauca, Jan. 2<sup>d</sup>, 1906.

908. *Hyptis polystachya* H.B.K.

Labiatae

Around Potrerillos, 1600<sup>m</sup>, near Palmira, Cauca, Jan. 2<sup>d</sup>, 1906.

909. *Eupatorium amygdalinum* Lam.

Compositae

La Laguna, 1300<sup>m</sup>, near Palmira, Cauca, Jan. 2<sup>d</sup>, 1906. In savannas.

910. *Pterocaulon virgatum* (L.) DC.

Compositae

La Laguna, 1300<sup>m</sup>, near Palmira, Cauca. Jan. 2<sup>d</sup>, 1906. In savannas.



911. *Vernonia scabra* Pers.

Compositae

La Laguna, 1300<sup>m</sup>, near Palmira, Cauca, Jan. 2<sup>d</sup> 1906. In savannas - sweetly  
scented.

912 -

Rubiaceae

La Laguna, 1300<sup>m</sup>, near Palmira, Cauca, Jan. 2<sup>d</sup> 1906. In savannas. Fl.  
white.

913 - *Aristolochia*

n.v. Zaragoza. Root applied to cure snake bites - Miniche

La Laguna, 1300<sup>m</sup>, near Palmira, Cauca, Jan. 2<sup>d</sup> 1906. In garden, but said  
to grow wild.

914. *Cyphomandra Naranjilla* Pitt. ined

Solanaceae

n.v. tomate de arbol. Fr. edible in jam or jelly - (Naranjilla in  
Pasto)

La Manuelita, 1200<sup>m</sup>, near Palmira, Cauca, Jan. 2<sup>d</sup> 1906. Cultivated, one  
single tree in garden, but seen wild at Miraflores. Fl. purplish green; fruit  
egg-shaped. Phot. 8658.

915. *Oxalis articulata* Sav.

Oxalidaceae

La Manuelita, 1200<sup>m</sup>, near Palmira, Cauca, Jan. 2<sup>d</sup> 1906. A weed in gar-  
den. Flowers pink.

916. *Alseodora*

n.v. madroño.

Quilliferae

La Manuelita, 1200<sup>m</sup>, near Palmira, Cauca, Jan. 3<sup>d</sup> 1906. A small tree  
(Phot.) 8-15<sup>m</sup> high. Fruits long, leaves apparently smaller than n° 843.

917. *Phymatoses percutum* (Cav.)

Polypodiaceae

La Manuelita, 1200<sup>m</sup>, near Palmira, Cauca, Jan. 3<sup>d</sup> 1906. Epiphytic

918. *Butleria Bolamita* Radl.

n.v. caimo

Lapotaceae

La Manuelita, 1200<sup>m</sup>, near Palmira, Cauca, Jan. 3<sup>d</sup> 1906. A small  
tree. Phot.



919. *Geiba pentandra* Gaertn.  
n.v. ceiba.

Bombacaceae.

920. *Cydistea aequinoctialis* Miers.

Bignoniaceae

921. *Jacquemontia luxurians* Hallier f. (Hallier det.) - Convolvulaceae

922. *Malvestrum peruvianum* Gray.

Malvaceae

923. *Hibiscus*

Malvaceae

924. *Soloma* - *Coryphantha*

Gesneraceae

n.v. - Caracola - Said to be the best of diuretics, infusion of the ~~leaves~~ <sup>seeds</sup>, which are said to have the form of the urinary channel (!).

925. *Jacaranda*

Bignoniaceae

n.v. gualandae. A favorite with the natives on account of its beautiful blue flowers. Loses its leaves about July and then ~~flowers~~ <sup>flowers</sup>.

926. *Calliandra tetragona* (Willd.) Benth.

Mimosaceae

n.v. carbonero blanco. Often cultivated for ornament, in public and private gardens

La Manuelita 1200', near Palmira, Cauca. Jan. 3<sup>d</sup> 1906. A large tree, looking like the Contr. Amer. ceiba, but said to be imported (from India), what I consider as very doubtful. Fl. white, pink tinged outside, in clusters, coming with the young leaves.  
Barionuevo, 1200', road from Palmira to Cali, Cauca, Jan. 4<sup>d</sup> 1906. A vine, fl. white, pink tinged

Barionuevo, 1200', road from Palmira to Cali, Cauca, Jan. 4<sup>d</sup> 1906. A common vine, along roads; fl. numerous, white, with a stripe of brownish hair on back of divisions.

Paso del Comercio, 1060', on the Cauca River, Cauca. Jan. 4<sup>d</sup> 1906. A cotton-like plant, with yellow flowers, common along road.

Paso del Comercio, 1060', on Cauca R. Cauca. Jan. 4<sup>d</sup> 1906. Along ditches; a ramulent shrub, with large, pink flowers.

Pinchinde', 1800', above Cali, Cauca. Fl. red. - Singular tulks (tubers) on the roots.

Cali, 1100', Cauca, in gardens. A middle-sized tree, erect, with elongated crown.

Cali, 1100', Cauca. In waste places and along roads. Fl. white.



927. *Malachra capitata* L.

Malvaceae

n.v. malva - Same uses as genuine mallow.

928. *Solanum torvum* Sw.

Solanaceae

n.v. friegu platos.

929. *Rhynchospora*

Cyperaceae

930. *Stenophyllus capillaris* (L.) Britton

Cyperaceae

931. *Meibomia barbata* (L.) Kuntze

Leguminosae

932. *Panicum acuminatum*

Graminae

933. *Cornilum obtusifolium* v. *linchum*

Rubiaceae

n.v. cascarillo - Good, long keeping timber, used for building purposes.

934. *Oxanopus compressus* Beauv.

Graminae

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 9, 1906. Round herb; 1-1.50 high; fl. yellow. Leaves doubled up during night.

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 9, 1906. A shrub; fl. white.

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 9, 1906. Dry, red clays hills.

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 9, 1906. Dry hills.

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 9, 1906. Fl. pink; reptans.

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 9, 1906. Low grass in bushes.

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 9, 1906. A small, 6-8' tree; straight, with pyramidal crown. Fl. white.

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 9, 1906. On dry hills.



935. *Casparium minus* Fourn. it.  
n.v. trenza. Reputed as the best native pasture.

Graminae

La Esmeralda, 1200', near Jamundi, Cauca - Jan. 9, 1906 - Dry hills

936. *Homolepis aturensis* (H.B.K.) Chase

Graminae

La Esmeralda, 1200', near Jamundi, Cauca - Jan. 9, 1906 - Dry hills

937. *Andropogon condensatus elongatus* Hack.  
n.v. Espartillo de Loma - No good.

Graminae

La Esmeralda, 1200', near Jamundi, Cauca - Jan. 9, 1906 - Dry hills.

938. *Fimbristylis diphylla* Vahl.

Cyperaceae

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 9, 1906 - Dry hills.

939. *Calea*  
n.v. chicharrón

Compositae

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 9, 1906 - A climbing  
shrub; fl. pale yellow.

940. *Panicum viscidellum*

Graminae

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 9, 1906 - Long, ascending,  
stems, along brook.

941. *Miconia rubiginosa* D.C.  
n.v. mortino negro

Melastomaceae

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 9, 1906 - A shrub, or  
rather a tree, started like tree, with dense spikes of white fl., and black berries.

942. *Homolepis aturensis* (H.B.K.) Chase

Graminae

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 9, 1906 -



943- *Chaptalia nutans* (L.) Amsl.

Compositae

La Esmeralda, 1200', near Jamundi, Cauca - Jan. 9, 1906 - An isolated plant, in pastures. Fl. pink.

944- *Spermacoce podoccephala* Benth.?

Rubiaceae

La Esmeralda, 1200', near Jamundi, Cauca - Jan. 9, 1906. Fl. white.

n.v. sanalo-todo - The mucilage is used with sugar, as a depurative ("para refrescar la sangre.")

945- *Toninia fluviatilis* Aubl.

Eriocaulaceae

La Esmeralda, 1200', near Jamundi, Cauca - Jan. 9, 1906 - Wet places.

946- *Panicum olivaceum* Hitchc. & Chase

Graminae

La Esmeralda, 1200', near Jamundi, Cauca - Jan. 9, 1906.

947- *Eupatorium pauciflorum* A.D.R.

Compositae

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 9, 1906 - Fl. lilac - A weed.

948- *Jurinea niffruticosa* L.

Onagraceae

La Esmeralda, 1200', near Jamundi, Cauca, Jan. 10, 1906 - In swamps - Fl. yellow. Single stems, about 1-1.50 high.

949- *Quarea*

n.v. cedro macho

Meliaceae

La Esmeralda, 1100', along Rio Jamundi, Cauca - Jan. 10, 1906 - A small, 8-10' high tree.

950- *Mimosa floribunda* Willd.

n.v. zarza

Mimosaceae

La Esmeralda, 1100', along Rio Jamundi, Cauca - Jan. 10, 1906 - A climbing shrub. Fl. lilac.



951. *Calliandra Pittieri* Standley.  
n.v. carbonero

Mimosaceae

La Esmeralda, along Rio Jamundi' 1100', Cauca - Jan. 10<sup>th</sup> 1906. A tree with flat  
crown, 10-15' high - Fl. pink.

952. (*Oxalis*) *Lotoxalis Bachelieri* (Jacq.)

Oxalidaceae

La Esmeralda, in cultivated fields, 1100', near Jamundi', Cauca, Jan. 10<sup>th</sup> 1906. A  
weed, fl. pink (lilas); leaves articulated, very delicate.

953. *Polyp. crassifolium* L.

Polypodiaceae

La Esmeralda, along Rio Jamundi', 1100' - Cauca - Jan. 10<sup>th</sup> 1906 - Epiphytic.  
Long hanging fronds.

954. *Ananthacorus angustifolius* (Sw.) And. & Max. Polypodiaceae

La Esmeralda, along Rio Jamundi', 1100' - Cauca - Jan. 10, 1906 - Epiphytic.

955. *Anthurium scolopendrinum* (Hamilt) Kth. Araceae

La Esmeralda, along R. Jamundi', 1100', Cauca - Jan. 10, 1906 - Epiphytic.

956. *Brykroxyllum*

*Brykroxyllum*

La Esmeralda, along R. Jamundi', 1100', Cauca - Jan. 10, 1906 - A shrub; red berry.

957. *Peperomia rotundifolia* Kunth.

Piperaceae

La Esmeralda, along R. Jamundi', 1100', Cauca, Jan. 10, 1906 - Epiphytic.

958. *Vittaria lineata* (L.) J. E. Sm.

Polypodiaceae

La Esmeralda, along R. Jamundi', 1100', Cauca - Jan. 10, 1906 - Epiphytic.



959. *Amphilophium macrophyllum* Bignoniaceae  
H. B. K.  
n.v. quemador

960. Gesneraceae  
n.v. boca silvestre

961. *Wissadula spicata* Presl. Malvaceae

962. *Browallia demissa* L. ? Solanaceae  
n.v. Julia blanco (B. demissa = Julia mirado)

963. *Sida paniculata* L. Malvaceae  
n.v. San Juanito

964. *Lophotocarpus guianensis* Smith Elasmataceae

965. *Limnanthemum Humboldtianum*  
n.v. orejuela (taken)

966. *Xylocarpus* Flacourtiaceae  
n.v. cuerno de venado. Used for small pieces of carpenter's work

La Esmeralda, 1100<sup>m</sup>, along R. Jamundi, Cauca - Jan. 10, 1906 - A vine; fl. pink; yellow before anthesis; glutinous.

Jamundi, 1000<sup>m</sup>, Cauca - Jan. 11, 1906 - A viny shrub, in hedges; fl. yellow.

Jamundi, 1000<sup>m</sup>, Cauca, Jan. 11, 1906 - In waste places - Fl. yellow.

Jamundi, 1000<sup>m</sup>, Cauca, Jan. 11, 1906 - In waste places - Fl. white.

Jamundi, 1000<sup>m</sup>, Cauca, Jan. 11, 1906 - Fl. small, purplish, like *Heliotropis*, but diminute - Stems 1.50 high.

Jamundi, 1000<sup>m</sup>, Cauca, Jan. 11, 1906 - In swampy ponds. Fl. white, in clusters.

Jamundi, 1000<sup>m</sup>, Cauca, Jan. 11, 1906 - In swampy ponds.

Cañas Gordas, near Cali, Jan. 11, 1906 - A small tree; yellow flowers.



967. *Scleria hirtella* Sw.

Cyperaceae

n.v. chondul. Bitterish and aromatic; used for "sachets"; eaten by cattle. Called curibano in Bogota; Paez nonda tsaku.

968. *Pectis*

Compositae

n.v. tomillo. Aromatic

969. (*Anastrophus*) *Axanopus* (app. new). Graminae

n.v. micaí. A fodder-plant, cultivated like "Para", a native of the Mica Valley. Reproduced by "Ruoto".

970. *Lippia citriodora* Kunth.

Verbenaceae

n.v. cidron. A stomachic plant, very odoriferous

971. *Panicum trichoides*

Graminae

n.v. ilusion de perro.

972. *Hypochaeris*

Compositae

973. *Hibiscus*

Malvaceae

n.v. morada

974. *Pistia stratiotes* obcordata Engler

Araceae

n.v. lechuguilla

Altos de Cañas Gordas, 1500', above Cali', Cauca. Jan. 11, 1906.

Cañas Gordas, 1100', near Cali', Cauca, Jan. 11, 1906. Fl. yellow. St. diminute.

Cañas Gordas, 1200', near Cali', Cauca, Jan. 11, 1906.

Market of Cali'. Jan. 13<sup>th</sup> 1906. Fl. lilac. Coroll. gamopetal, 4 lobes.

Garden in Cali', 1100', Cauca. A weed.

Garden in Cali', 1100', Cauca. A weed.

Ciénega de Agua Blanca, 1000', below Cali', Jan. 14, 1906. A bush,  $\pm$  2' high. Fl. purple.

Ciénega de Agua Blanca, 1000', below Cali', Jan. 14, 1906. Floating; flowering specimens all on mud, none in water.



975- *Polygonum*

*Polygonaceae*

Siénega de Agua Blanca, 1000', below Cali' - Jan. 14<sup>th</sup> 1906. - Common in  
wamps. Fl. white.

976- *Luziola Spruceana* Benth.

*Graminae*

Siénega de Agua Blanca, 1000m, below Cali', Cauca - Jan. 14<sup>th</sup> 1906

977- *Homalocenchrus hexandrus* (Sw.) Ktze

*Graminae*

Siénega de Agua Blanca, 1000', below Cali', Cauca - Jan. 14<sup>th</sup> 1906.

978- *Hymenachne amplexicaulis* Nees.

*Graminae*

Siénega de Agua Blanca, 1000', below Cali', Cauca - Jan. 14<sup>th</sup> 1906.

979- *Piaropus crassipes* (Mart.) Britton.

*Pontederiaceae*

Siénega de Agua Blanca, 1000', below Cali', Cauca - Jan. 14<sup>th</sup> 1906. - Fl. azure or pale  
blue.

980- *Hydrocleis Humboldtii* Endl.

*Nymphaeaceae*

Siénega de Agua Blanca, 1000', below Cali', Cauca - Jan. 14<sup>th</sup> 1906. - Fl. pale yellow

981- *Sagittaria latifolia* Willd.

*Alismaceae*

Siénega de Agua Blanca, 1000', below Cali', Cauca, Jan. 14<sup>th</sup> 1906.

982 *Utricularia*

*Utriculariaceae*

Siénega de Agua Blanca, 1000', below Cali', Cauca - Jan. 14<sup>th</sup> 1906.

982<sup>a</sup> *Panicum acuminatum*



983.

Lichen

Quiales, 1000', road from Cali to Florida, Cauca. Jan. 18<sup>th</sup> 1906.  
On the board of a fence.

984. *Malpighia glabra* L.

n.v. Mirto

Malpighiaceae

Quiales, 1000', road from Cali to Florida, Cauca. Jan. 18<sup>th</sup> 1906. A  
small tree. Flowers pink.

985. *Cosmituena arborea* Standley.

n.v. manduro - Fuel and very good coal

Rubiaceae

Near Espejuelo, 1, road from Florida to Corinto, Cauca. Jan. 18<sup>th</sup>  
1906. Tree 8-12' high, fl. yellowish white, odorous.

986. *Piper copejuelanum* C. DC. n. sp.

Piperaceae

Near Espejuelo, 1, road from Florida to Corinto, Cauca, Jan. 18<sup>th</sup> 1906.  
A shrub, 2-3' high.

987. *Cibouchia gracilis hirsuta* Cogn.

n.v. mayito

Melastomaceae

Finca de Pedro Garcia, road from Florida to Corinto, Cauca. Jan.  
18<sup>th</sup> 1906. A small, 25-40' high tree, erect. Fl. pink.

988. *Lporotolus indica* (L.) R. Br.

Graminae

Finca de Pedro Garcia (1), near Corinto, Cauca. Jan. 19, 1906. In pastures.

989. *Pennisetum purpurascens* H. B. K.

Graminae

Finca de Pedro Garcia (1), near Corinto, Cauca. Jan. 19, 1906. In pastures.

990. *Goniophlebium neriofolium* (Sch. R.) Hook.

Polypodiaceae

Finca de Pedro Garcia (1), near Corinto, Cauca, Jan. 19, 1906. On a large stone  
in pasture.



991. *Blechnum blechnoides* (Lag.) L. Chr.

*Polypodiaceae*

Quebrada seca, near Corinto, Cauca, Jan. 19<sup>th</sup> 1906. On large stone.

992. *Paspalum plicatulum* Michx.

*Graminae*

Quebrada seca (1), near Corinto, Cauca, Jan. 19<sup>th</sup> 1906. In pastures

993. *Paspalum notatum* Fluegge  
n.v. tiensa<sup>gateadora</sup>; one of the best fodder-grasses.

*Graminae*

Quebrada Seca (1), near Corinto, Cauca, Jan. 19<sup>th</sup> 1906. In pastures.

994. *Bidens andicola* Sherff?

*Compositae*

Quebrada Seca (1), near Corinto, Cauca, Jan. 19<sup>th</sup> 1906. Fl. white.

995. *Hedyotis brevipes* Pitt.

*Labiatae*

Quebrada Seca (1), near Corinto, Cauca, Jan. 19<sup>th</sup> 1906. Fl. ~~white~~.

996. *Meibomia lupina* (Sw.) Britton  
n.v. cargadita

*Leguminosae*

Quebrada Seca (1), near Corinto, Cauca, Jan. 19<sup>th</sup> 1906. Fl. pinkish.

997. *Polygala paniculata* L.  
n.v. quereme de monte, radix odorans.

*Polygalaceae*

Quebrada Seca (1), near Corinto, Cauca, Jan. 19<sup>th</sup> 1906. Fl. pink.

998. *Cattleya labiata* v. *Briannei* Veitch  
n.v. azuena

*Orchidaceae*

Quebrada Seca (1), near Corinto, Cauca, Jan. 19<sup>th</sup> 1906. Fl. pink, with yellow spot inside and purple spot near tip, of inner petal.



999. *Paspalum plicatulum* Michx.

Graminae

Quebrada seca (1...) near Corinto, Cauca - Jan. 19<sup>th</sup> 1906.

1000. *Paspalum* near *Boscianum*

Graminae

Quebrada seca (1), near Corinto, Cauca - Jan. 19<sup>th</sup> 1906.

n.v. pasto amargo

1001. *Chaetochloa gracilis* (H.B.K.) S.M.

Graminae

Quebrada seca (1); near Corinto, Cauca - Jan. 19<sup>th</sup> 1906.

1002. *Crotalaria rotundifolia* Poir.

Leguminosae

Quebrada seca (1); near Corinto, Cauca - Jan. 19<sup>th</sup> 1906.

n.v. manquillo; sona' (Vacueyo);

1003. *Jussiaea peruviana* L.

Onagraceae

Quebrada seca (1); near Corinto, Cauca - Jan. 19<sup>th</sup> 1906.

n.v. hierba del cancer

1004. *Pectis linifolia* L.

Compositae

Quebrada seca (1); near Corinto, Cauca - Jan. 19<sup>th</sup> 1906. Fl. yellow.

n.v. escubilla; aromatic

1005. *Isachne polygonoides* Doell.

Graminae

Quebrada seca (1); near Corinto, Cauca - Jan. 19<sup>th</sup> 1906. In noamps.

1006.

Gesneraceae

Forest of Yauamal (2200') between Corinto & Vacueyo, Cauca - Jan. 19<sup>th</sup> 1906.  
A bush, often epiphytic.



1007. *Peperomia tovarisana* C. Dc.

Piperaceae

Forest of Yammal, between Corinto & Tacueyo, 2200', Cauca - Jan. 19<sup>th</sup> 1906  
Epiphytic.

1008. *Ponthieva diptera* Reichb. fil.

Orchidaceae

Gargantilla ridge, 2100', between Corinto & Tacueyo, Cauca, Jan. 19<sup>th</sup> 1906.  
Terrestrial; fl. purplish with yellow tips.

1009

Amayllidaceae

Along La Paila R., 1400', above Corinto, Cauca, Jan. 19<sup>th</sup> 1906 - Fl. white.

1010. *Scutellaria coccinea* Kunth.

Labiatae

Along La Paila R., 1400', above Corinto, Cauca, Jan. 19<sup>th</sup> 1906 - Fl. red. Low, scabrous.

1011

Gargantilla Ridge, valley of Comingo, Cauca - Jan. 19<sup>th</sup>, 1906. A bush, 2-3' high.

1012

Gesneraceae

Alto del Yammal, 1800', between Corinto & Tacueyo, Cauca, Jan. 19<sup>th</sup> 1906 - Fl.  
red, scabrous.

1013. *Blaphoglossum barbatum* (Kunt) Hieron.

Filices

Cerro de las Cruces, 2200', between Corinto & Tacueyo, Cauca, Jan. 19<sup>th</sup> 1906 - Epiphytic.

1014. *Cesanteckia Pittieri* Kraus n. sp. 1913.

Rutaceae

Forest of Yammal, 2200', between Corinto & Tacueyo, Jan. 19<sup>th</sup> 1906. Small,  
bushy tree; fl. green.



1015.

Compositae Nevado del Huila, Cauca. Feb. 25<sup>th</sup> 1905 (Benjamin Liago).1016. *Stenolobium molle* (H. B. K.) Seem.Bignoniaceae Tacueyo', 1800<sup>m</sup>, Rio Palo Valley, Cauca. Jan. 21, 1906. Fl. yellow; a small tree, with abundant flowers, visited very much by insects.n.v. palo hueso (indio); fremo, infusion used in bronchial troubles.

1017.

Solanaceae Tacueyo', 1800<sup>m</sup>, Rio Palo Valley, Cauca. Jan. 21, 1906. A small tree, with the habit of *Renistus*; fl. purplish red.n.v. borrachero; poisonous; paez ts'pil1018. *Erythroloma*Gesneraceae Tacueyo', 1800<sup>m</sup>, Rio Palo Valley, Cauca. Jan. 21, 1906. Common in dry places, fl. purplish red; 0.50-1<sup>m</sup> high.n.v. pape monte1019. *Pavonia spinifex* Cav.Malvaceae Tacueyo', 1800<sup>m</sup>, Rio Palo Valley, Cauca. Jan. 21, 1906. 1-2<sup>m</sup> high; shrub. Fl. yellow; sociable.n.v. escoba babosa1020. *Valeriana urticaefolia* H. B. K.Valerianaceae Tacueyo', 1800<sup>m</sup>, Rio Palo Valley, Cauca. Jan. 21, 1906. In cool places.1021. *Spermacoce verticillata* L.Rubiaceae Tacueyo', 1800<sup>m</sup>, Rio Palo Valley, Cauca. Jan. 21, 1906. Common on sunny hills.

= n° 944?

1022. *Buddleia*Loganiaceae Tacueyo', 1800<sup>m</sup>, Rio Palo Valley, Cauca. Jan. 21, 1906. A small tree; fl. yellow.n.v. tabaco de monte; the leaves, applied to the front, relieve headache.salvia blanca:



1023 *Aegopogon geminaeflorus* H. B. K.

Graminae

Tacueyo, 1800', rio Palo Valley - Cauca - Jan. 21, 1906.

1024 - *Sporobolus purpurascens* (Sw.) Hamilt.

Graminae

Tacueyo, 1800 m., rio Palo Valley, Cauca - Jan. 21, 1906.

1025 - *Agrostis perennans* (Walt.) Link.

Graminae

1026 - *Anthurium Brownei* Masters.

Araceae

Tacueyo, on shady rocks along Palo River - Cauca - Jan. 21, 1906

paey: tse-bets

1027 - *Gleichenia nodulosa* (Roth.) Schult.

~~Agrostaceae~~

Tacueyo, 1800', rio Palo Valley - Cauca - Jan. 21, 1906. In swampy places.

1028 - *Pitcairnia*

Bromeliaceae

Tacueyo, 1800', rio Palo, on rocks - Cauca - Jan. 21, 1906 -  
along

paey: ki-te (= flr)

1029 - *Begoniaceae*

Begoniaceae

Tacueyo, 1800', on rocks along rio Palo - Cauca - Jan. 21, 1906.

1030 - *Asplenium Serra* L. & T.

~~Polypodiaceae~~

Tacueyo, 1800', on shady rocks along rio Palo - Cauca - Jan. 21, 1906



1031- *Polystichum*

*Polices*

Tacueyo, on shady rocks along rio Palo - 1800<sup>m</sup> - Jan. 21, 1906.

1032- *Polystichum*

*Polices*

1033-

n.v. arrayán

*Myrtaceae*

Tacueyo, 1800<sup>m</sup>, rio Palo Valley, Cauca - Jan. 21, 1906 - Small tree, 6-8<sup>m</sup> high.

1034- *Peperomia obtusifolia* A. Dietr. forma A. 2.

*Piperaceae*  
C. D. C.

Tacueyo, 1800<sup>m</sup>, on shady rocks along rio Palo - Cauca - Jan. 21, 1906.

1035- *Phlebodium aureum* (L.) J. Sm.

*Polypodiaceae*

Tacueyo, 1800<sup>m</sup>, on sunny rocks - Rio Palo Valley - Cauca - Jan. 21, 1906.

1036- *Notholaena ferruginacea* Desv.

*Polices*

Tacueyo, 1800<sup>m</sup>, on sunny rocks - Rio Palo Valley, Cauca - Jan. 21, 1906.

1037- *Spananthe paniculata* Jacq.

*Umbelliferae*

Tacueyo, 1800<sup>m</sup>, rio Palo Valley, Cauca - Jan. 21, 1906 - On shady slopes.

1038- *Liegesbeckia orientalis* L.

*Compositae*

Tacueyo, 1800<sup>m</sup>, rio Palo Valley, Cauca - Jan. 21, 1906.



1039. *Tagetes microglossa* Benth. ?

n.v. ruda mata-pulgas

Compositae

Tacueyo, 1800', rio Palo Valley, Cauca - Jan. 21, 1906. Waste places.

1040. *Scutellaria Lindeniana* H.B.

Labiatae

Tacueyo, 1800', rio Palo Valley, Cauca - Jan. 21, 1906.

1041

Piperaceae

*Peperomia flandae* Kth. affinis propter spicas juveniles  
non descripta. C. DC.

Tacueyo, 1800', rio Palo Valley, Cauca - Jan. 21, 1906. On shady rocks.

1042. *Syntherisma longiflora* (Retz) Skeels.

Graminae

Tacueyo, 1800', rio Palo Valley, Cauca - Jan. 21, 1906. On sunny hills.

1043. *Asplenium rhizophorum* L.

Filices

Tacueyo, 1800', rio Palo Valley, Cauca - Jan. 21, 1906. On shady rocks.

1044. *Stecractina sediroi* (Hieron.) Blake.

Compositae

n.v. maravilla

Tacueyo, 1800', rio Palo Valley, Cauca - Jan. 21, 1906. A small tree on sunny hills.

1045. *Sobralia dichotoma* Ruiz & Pav.

Orchidaceae

Tacueyo, 1800', rio Palo Valley, Cauca - Jan. 21, 1906. Stems 1-3' high; fl. pinkish white. On sunny slopes.

1046. *Sobralia violacea* v. *alba*

Orchidaceae

Tacueyo, 1800', rio Palo Valley, Cauca - Jan. 21, 1906. Stems 1' high; fl. white, with yellow spots inside. On sunny hills.



1047. *Hypericum*

Tacueyo, 1800', R. Palo Valley, Cauca - Jan. 21, 1906 - On sunny hills.

1048. *Weinmannia pubescens* H. B. K.

Saxifragaceae

n.v. encinillo; med. used to cure tabardillo; paey tsute

Tacueyo, 1800', R. Palo Valley, Cauca - Jan. 21, 1906 - A small tree, 4-5' high; fl. white. On sunny hills.

1049.

Urticaceae

Tacueyo, 1800' R. Palo Valley, Cauca - Jan. 21, 1906 - Herbaceous.

1050. ~~Pectis~~ *Gaetes pusilla* H. B. K.

Compositae

n.v. anirillo

Tacueyo, 1800', R. Palo Valley, Cauca - Jan. 21, 1906 - In pastures.

1051. *Eupatorium tacotanum* Klatt.

Compositae

Tacueyo, 1800', R. Palo Valley, Cauca - Jan. 21, 1906 - Fl. purple or violet.

1052 -

Campanulaceae

Tacueyo, 1800', R. Palo Valley, Cauca - Jan. 21, 1906 - Common in bushes.

1053. *Phenax hirtus* Weddell.

Urticaceae

Tacueyo, 1800', R. Palo Valley, Cauca - Jan. 21, 1906.

1054

Lauraceae

n.v. jigua laurel

Tacueyo, 1800', R. Palo Valley, Cauca - Jan. 21, 1906 - A medium sized tree; fl. white



1055. *Agrostis perennans* (Wall.) Luck.

Graminae

Cauceyo, 1800', R. Palo Valley, Cauca - Jan. 22, 1906 - In pastures.

1056. *Erigeron*

Compositae

Cauceyo, 1800', R. Palo Valley - Jan. 22, 1906 - In swampy places.

1057. *Eryngium strackeatum* Lam.

Umbelliferae

Cauceyo, 1800', R. Palo Valley - Jan. 22, 1906 - In swampy places.

1058. *Claphoglossum binchonae* Underw.

Cauceyo, 1800', R. Palo Valley, Cauca - Jan. 22, 1906 - In bushes, terrestrial.

1059. *Stelis*

Orchidaceae

La Cruz del Rio Lopez, 2950', R. Palo basin - Cauca - Jan. 24. Epiphytic.  
Fl. greenish yellow.

1060. *Lepidodendrum* (very near *gracillimum*.)

Orchidaceae

La Cruz del R. Lopez, 2950', R. Palo basin - Cauca - Jan. 24. Epiphytic.  
Fl. greenish yellow.

1061

Orchidaceae

La Cruz del Rio Lopez, 2950', R. Palo basin - Cauca - Jan. 24. Epiphytic.  
Fl. greenish yellow.

1062

Orchidaceae

La Cruz del R. Lopez, 2950', R. Palo basin - Cauca - Jan. 24. Sub epiphytic.  
Fl. pink.



1063. *Pachyphyllum squarroum* Lindl.

Orchidaceae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca. Jan. 24, 1906. Epiph.  
Fl. greenish.

1064. *Oncidium pentadactylon* Lindl.

Orchidaceae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca. Jan. 24, 1906. Epiphytic  
Fl. yellow, with brown stripes in outer circle.

1065. *Odentoglossum angustatum* Lindl.

Orchidaceae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca. Jan. 24, 1906. Sub-epiph.  
Large panicle of light yellow flowers; outer circle with purple spots, inner  
purple.

1066

Orchidaceae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca. Jan. 24, 1906. Sub-epiph.  
Fl. greenish white, very odorous.

1067. *Epidendrum scabrum* R. & Pav.

Orchidaceae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca. Jan. 24, 1906. Epiphytic.  
Fl. greenish white.

1068. *Fuchsia* new

Onagraceae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca. Jan. 24, 1906. Small  
tree, 2-3<sup>m</sup>. Fl. tile red, hanging bunches.

1069. *Brachyotum*

n.v.: ~~flor de mayo~~

Melastomataceae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca. Jan. 24, 1906. Bushy  
shrub; fl. purple.

1070. *Gaultheria cordifolia* H. B. K.

Ericaceae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin. Jan. 24, 1906. Small tree,  
2-3<sup>m</sup> high; fl. pink.



1071.

Ericaceae

La Cruz del R. Lopez, 2950', R. Palo basin - Cauca - A small tree, 2-3' high.

1072. Weinmannia hirtella H.B.K.  
n.v. encinillo

Gunoniaceae

La Cruz del R. Lopez, 2950', R. Palo basin - Cauca - A small tree, 3-5' high;  
fl. white.

1073

Ericaceae

La Cruz del R. Lopez, 2950', R. Palo basin - Cauca - Jan. 24, 1906.

1074. Blaphoglomum

Filices

La Cruz del R. Lopez, 2950', R. Palo basin - Cauca - Jan. 24, 1906.

1075. Blaphoglomum Funkii (Pée) Moore

Filices

La Cruz del R. Lopez, 2950', R. Palo basin - Cauca - Jan. 24, 1906.

1076. Epidendrum gramineum Lindl.

Orchidaceae

La Cruz del R. Lopez, 2950', R. Palo basin - Cauca - Jan. 24, 1906. Epiphytic;  
fl. green.

1077. Lomaria  
n.v. helecho de páramo

Filices

La Cruz del R. Lopez, 2950', R. Palo basin, Cauca - Jan. 24, 1906. Arborescent;  
Characteristic from 2800 to 3500' - Phot.

1078. Lycopodium Jussieu Desv.

Lycopodiaceae

La Cruz del R. Lopez, 2950', R. Palo basin, Cauca - Jan. 24, 1906. In dry sunny places



1079- *Stelis*

Orchidaceae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca - Jan. 24, 1906 - Epiphytic

1080

Melastomataceae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca, Jan. 24, 1906 - A shrub, 2-3<sup>m</sup> high, fl. white.

1081- *Befaria phyllireaeifolia* Benth.

Eriaceae

n.v. angucha

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca, Jan. 24, 1906 - A small tree, 2-4<sup>m</sup> high; fl. pink - characteristic of the upper forest zone, above 2500<sup>m</sup>.

1082- *Desfontainia splendens* H. B. K.

n.v. linon - Med.: la infusión se usa contra la tos de los niños

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca - Jan. 24, 1906 - A shrub; fl. purplish, with yellow tips.

1083- *Senecio arboreus* (H. B. K.):

Compositae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca - Jan. 24, 1906 - A bushy shrub; fl. greenish white

1084

Compositae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca - Jan. 24, 1906 - A small tree, 2-4<sup>m</sup> high. Ligulae brown; anthers white.

1085- *Senecio pulchellus* (H. B. K.) DC.

Compositae

n.v. guasqui

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca - Jan. 24, 1906 - A small bush, 1.5-2<sup>m</sup> high; goes up into the páramo.

1086- *Senecio arboreus* (H. B. K.)

Compositae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo basin, Cauca - Jan. 24, 1906 - A bush, 1-2<sup>m</sup> high



1087. *Rhynchosyrium conchophyllum* (Tayl.) Tieg. Musci

La Cruz del R. Lopez, 2950', R. Palo basin - Jan. 24, 1906.

1088. *Campylopus Pittieri* R. S. Williams Musci

1089. *Bryum argenteum* L. Musci

1090.

Orchidaceae

La Cruz del R. Lopez, 2950', R. Palo basin - Cauca - Jan. 24, 1906. Fl. pink.

1091.

Orchidaceae

La Cruz del R. Lopez, 2950', R. Palo basin - Cauca - Jan. 24, 1906. Fl. pink.

1092.

Orchidaceae

La Cruz del R. Lopez, 2950', R. Palo basin - Cauca - Jan. 24, 1906. Epiphytic; fl. pink.

1093.

Orchidaceae

La Cruz del R. Lopez, 2950', R. Palo basin - Cauca - Jan. 24, 1906. Epiphytic; fl. purple.

1094.

Myricaceae

La Cruz del R. Lopez, 2950', R. Palo basin - Cauca - Jan. 24, 1906. A small tree, 2-6' high.

n.v. Laurel de cera



1095-

Gesneraceae

Above La Cruz del R. Lopez, 3000<sup>m</sup>, R. Palo barrin - Cauca - Jan. 25<sup>th</sup> 1906 - Fl. golden yellow, hanging. Epiphytic.

1096. *Peperomia psilostachya* C. Dc. var  
*subovatilimba* C. Dc.

Piperaceae

Above La Cruz del R. Lopez, 3100<sup>m</sup>, R. Palo barrin - Cauca - Jan. 25<sup>th</sup> 1906. Epiphytic

1097 - *Campyloneurum amphostemon* Kze Polypodiaceae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo barrin - Cauca - Jan. 24, 1906. Epiphytic

1098

Rubiaceae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo barrin - Cauca - Jan. 24, 1906 - A small tree

1099

Rubiaceae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo barrin - Cauca - Jan. 24, 1906 - Herbaceous; 50-60 cm. high; fl. white.

1100. *Hydrocotyle aconitifolia* H. B. & K.

Umbelliferae

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo barrin - Cauca - Jan. 24, 1906 -

1101. *Hymenophyllum trianae* Hieron.

Filices

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo barrin - Cauca - Jan. 24, 1906 -

1102. *Asplenium fragrans* Sw.

Filices

La Cruz del R. Lopez, 2950<sup>m</sup>, R. Palo barrin - Cauca - Jan. 24, 1906 -



1103

Swamps of the higher páramo, near Tierra caliente 3500', R. Paez basin, Cauca - Jan 25, 1906.  
Fl. white

1104. *Gentiana sedifolia* H.B.K.

Gentianaceae

Tierra caliente, páramos del Huila, 3500', R. Paez basin. Cauca - Jan. 25<sup>th</sup> 1906

n.v. miniatura

Tierra caliente, páramos del Huila, 3500', R. Paez basin - Cauca - Jan. 25, 1906.

1105

1106. *Carex pauciflora* Lght & L.

Cyperaceae

Tierra caliente, páramos del Huila, <sup>3500'</sup> R. Paez basin. Cauca, Jan. 25, 1906.

1107. *Geranium confertum* Standley n. sp.

Geraniaceae

Tierra caliente, páramos del Huila, 3500', R. Paez basin, Cauca, Jan. 25, 1906

1108. *Carex festiva* Devey

Cyperaceae

Tierra caliente, páramos del Huila, 3500', R. Paez basin, Cauca - J. 25.06.

1109. *Gentiana selaginifolia* Griseb. = *G. crassulifolia*

Gentianaceae

Tierra caliente, páramos del Huila, 3500', R. Paez basin, Cauca - Jan. 25, 1906.

Griseb. var *selaginifolia* Gilg

Fl. lilas.

1110. *Polypodium farinosum* Hook.

Polypodiaceae

Cerro la Cruz del R. Lopez, 3100', R. Palo basin. Cauca - Jan. 25, 1906



1111. *Halenia inaequalis* Wedd.?

*Gentianaceae* Cerros de Buena Vista, 3300', Huila group - Cauca - Jan. 25, 1906.

1112. *Calamagrostis effusa* (H.B.K.) Steud.

*Graminae* Cerros de Buena Vista, 3400', Huila group - Cauca - Jan. 25, 1906.

1113

*Lycopodiaceae* Cerros de Buena Vista, 3400', Huila group - Cauca - Jan. 25, 1906.

1114. *Bractophyllum caracasense* H.B.K.

*Ericaceae* Cerros de Buena Vista, 3400', Huila group - Cauca - Jan. 25, 1906.

1115

*Ericaceae* Cerros de Buena Vista, 3400', Huila group, Cauca - Jan. 25, 1906.

1116. <sup>*Salpiglossis rufescens* Humb. & Bonpl.</sup>  
~~*Salpiglossis*~~ *Eupalestia grandiflora* Humb. & Bonpl. *Compositae*

Cerros de Buena Vista, 3200 - 3600', Huila group, Cauca - Jan. 25, 1906

n.v. *frailejon*, i.e., big monks, in account of the likeness of the plants with white monks.

1117. *Senecio crepidifolius* Benth.

*Compositae* Cerros de Buena Vista, Huila group, 3400', Cauca - Jan. 25, 1906.

1118. *Claphoglossum*

*Phlegmaria* Cerros de Buena Vista, Huila group, 3500' - Cauca - Jan. 25, 1906.



1119. *Apium runcunculifolium* H. B. & K. Umbelliferae

n.v. culantrillo de montaña

Páramos de Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906

1120. *Chusquea tessellata* Munro.

Graminae

n.v. chusca

Páramos de Buena Vista, 3200-3500<sup>m</sup>, Huila group - Jan. 25, 1906. Characteristic of the páramos.

1121. *Calamagrostis stricta* (H. B. K.)

Graminae

Páramos de Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.

1122. *Calamagrostis stricta* (H. B. K.)

Graminae

Páramos de Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906

1123. *Calamagrostis effusa* (H. B. K.) Steud. Graminae

Páramos de Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.

1124. *Gynierium modestum* Doell.

Graminae

Páramos de Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906

1125. *Stasoptera acuminatissima* Munro Graminae  
prob. allied to *S. mistata* Munro

Páramos de Buena Vista, 3300<sup>m</sup>, Huila group - Cauca, Jan. 25, 1906

1126. *Calamagrostis coarctatus* (H. B. K.) Steud. Graminae

Páramos de Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.



111127

Upper limit of forest, 3200', páramo de Buena Vista, Huila group - Cauca - Jan. 25, 1906.  
A shrub, 1.50-2m high.

111128. *Diplostegium rosmarinifolium* (Benth.) Wedd. ? Compositae  
n.v. romero de páramo

Páramos de Buena Vista, 3400', Huila group - Cauca - Jan. 25, 1906. A low shrub.

111129. *Senecio bullatus* Benth.  
n.v. trinitaria

Compositae Páramos de Buena Vista, 3400', Huila group - Cauca - Jan. 25, 1906.

1130

111130. *Senecio subdecurrens* Sch. Bip.

Compositae Páramo de Buena Vista, 3500', Huila group - Cauca - Jan. 25, 1906.

111131. *Gentiana corymbosa* H.B.K.

Gentianaceae Páramo de Buena Vista, 3500', Huila group - Cauca - Jan. 25, 1906.

111132

Páramo de Buena Vista, 3400', Huila group - Cauca - Jan. 25, 1906.

111133

Páramo de Buena Vista, 3400', Huila group, Cauca - Jan. 25, 1906.

111134. *Myrtus*

Ericaceae Páramo de Buena Vista, 3400', Huila group, Cauca - Jan. 25, 1906. <sup>1906</sup>



1135

*Ficus*

Paríamo de Buena Vista, 3500<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.

1136

*Ficus*

Paríamo de Buena Vista, 3500<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.

1137 - *Orcytophyllum caucanum* Standley n. sp. Rubiaceae

Paríamo de Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906

1138. *Lophagnum medium* v. *purpurascens* (Russ.) W. M. & C.

Paríamo de Buena Vista, 3300<sup>m</sup>, Huila group - Jan. 25, 1906

1139 - *Ourisia chamaedifolia* Benth.

*Gerophaea*

Paríamo de Buena Vista, 3300<sup>m</sup>, Huila group - Jan. 25, 1906. On wet rocks.

1140 -

*Scrophularia*

Paríamo de Buena Vista, 3300<sup>m</sup>, Huila group - Jan. 25, 1906.

1140 a. *Bartonia sentolinoides* Benth.

1140 b. " " *gracilis* Benth.

1141

Leguminosae

Paríamo de Buena Vista, 3300<sup>m</sup>, Huila group - Jan. 25, 1906

1142

Alsiaceae

Paríamo de Buena Vista, 3300<sup>m</sup>, Huila group - Jan. 25, 1906



1143. *Alchemilla nivalis* H. B. K.

Rosaceae

Cerro de Buena Vista, 3400<sup>m</sup>, Huila group - Cauca - Jan. 25, 1905 - = 1906 !

1144. *Polypodium Funkii* Mett.

Polypodiaceae

Upper zone of forest, 3200<sup>m</sup>, Buena Vista - Huila group - Jan. 25, 1905. = 1906

1145. *Polypodium Funkii* Mett.

Polypodiaceae

Upper zone of forest, 3200<sup>m</sup>, Buena Vista - Huila group - Jan. 25, 1905. = 1906 !

1146. *Goniophlebium loriceum* (L.) J. Sm.

Polypodiaceae

Upper zone of forest, 3200<sup>m</sup>, Buena Vista, Huila group - Jan. 25, 1905 = 1906

1147. *Polypodium* (n. sp. sub. spec. name) Polypodiaceae

Upper zone of forest, 3200<sup>m</sup>, Buena Vista, Huila group - Jan. 25, 1905 6

1148. *Polypodium*

Polypodiaceae

Upper zone of forest, 3200<sup>m</sup>, Buena Vista, Huila group - Jan. 25, 1905 6

1149. *Jamesonia verticalis* Kunze

Cerro de Buena Vista, 3400<sup>m</sup>, Huila group - Cauca - Jan. 25, 1905. 6

1150. *Ribes leptostachyum* Benth. (det. Griseb.) Ribesiaceae

(See Note in Herbarium)

Upper zone of forest, Buena Vista, Huila group, Cauca - Jan. 25, 1905. <sup>1906</sup> A shrub, 1-2<sup>m</sup> high.



1151.

Melastomataceae Upper limit of forest, Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.

1152. *Caspariya urticae* A. D. C.

Begoniaceae Upper zone of forest, Buena Vista, 3200<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906. Fl. red.

1153. *Pernettia coriacea* Klotzsch.

Ericaceae Paramo de Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.

1154. *Carex Jamesonii* Boott. B. & P.

Cyperaceae Paramo de Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.

1155. *Stelis floribunda* ?

Orchidaceae Upper zone of forest, Buena Vista, 3100<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.

1156. *Pleurothallis* (affine *gracillima*)

Orchidaceae Upper zone of forest, Buena Vista, 3100<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.

1157. *Masdevallia* ? (3 *triangulares*)

Orchidaceae Upper zone of forest, Buena Vista, 3100<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.

1158. *Pleurothallis caridias* Lindl.

Orchidaceae Upper zone of forest, Buena Vista, 3200<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.



1159. *Oretyophyllum latifolium* Standley. n. sp. Rubiaceae

Paramo de Buena Vista, 3200<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906

1160. *Peperomia columbiana* Mez.

Piperaceae

Upper zone of forest, Buena Vista, 3200<sup>m</sup>, Huila group, Cauca, Jan. 25, 1906

1161

♂

Ericaceae

Paramo of Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.

1162. *Gynoxys fuliginosa* (H.B.K.) Cass. & Less. Compositae

Upper limit of forest, 3300<sup>m</sup>, Buena Vista - Huila group, Cauca - Jan. 25, 1906.

1163

Ericaceae

Upper limit of forest, 3300<sup>m</sup>, Buena Vista, Huila group, Cauca - Jan. 25, 1906.

1164

Ericaceae

Upper limit of forest, 3300<sup>m</sup>, Buena Vista, Huila group, Cauca - Jan. 25, 1906

1165 *Weinmannia microphylla* H.B. & K.

Lasifragaceae

Upper limit of forest, 3300<sup>m</sup>, Buena Vista, Huila group, Cauca - Jan. 25, 1906.

1166. *Odontoglossum pardinum*

Orchidaceae

Upper limit of forest, 3300<sup>m</sup>, Buena Vista, Huila group, Cauca, Jan. 25, 1906. Fl.

yellow, with brown spotted labellum.



1167 *Rhynchospora aurea* Vahl.

Cyperaceae

Páramo de Buena Vista, 3300<sup>m</sup>, Huila group, Cauca - Jan. 25, 1906.

1168

Cyperaceae

Páramo de Buena Vista, 3300<sup>m</sup>, Huila group, Cauca - Jan. 25, 1906.

1169 *Campyloneurum huilense* Lind. & Maxon (n. sp.). Polypodiaceae

Páramo de Buena Vista, 3200<sup>m</sup>, Huila group, Cauca - Jan. 25, 1906.

1170 *Polypodium heteromorphum* H. & G. Polypodiaceae

Upper zone of forest, 3200<sup>m</sup>, Buena Vista, Huila group, Cauca, Jan. 25, 1906.

1171 *Bomarea linifolia* Baker

Liliaceae

Páramo de Buena Vista, 3300<sup>m</sup>, Huila group, Cauca - Jan. 25, 1906. Outer petals red, inner yellow.

1172 *Bomarea*

Liliaceae

Páramo de Buena Vista, 3300<sup>m</sup>, Huila group, Cauca, Jan. 25, 1906. Fl. yellow

1173 *Senecio arbutifolius* (H. B. K.)

Compositae

Páramo de Buena Vista, 3300<sup>m</sup>, Huila group, Cauca - Jan. 25, 1906. Fl. yellow.

1174 *Diplostegium*

Compositae

Páramo de Buena Vista, 3300<sup>m</sup>, Huila group, Cauca - Jan. 25, 1906. Fl. white

1174a. " " *floribundum* (Benth.) Wedd. ?

" "



1175. *Bomarea caldasiana* Herb.

Liliaceae

Upper zone of forest, 3300<sup>m</sup>, Buena Vista, Huila group - Jan. 25, 1906.

1176. *Hypericum caracasana* Willd.

Guttiferae.

Paramo de Buena Vista, 3300<sup>m</sup>, Huila group, Cauca, Jan. 25, 1906

1177. *Hypericum laricifolium* Fuss.

Guttiferae.

Leaves petiolate, 15 to 17 mm. long,  $\pm$  6 mm. broad, with transparent glands and lines. Petioles articulate, persistent. Pedicels  $\pm$  8 mm long. Sepals 2 broad and 2 narrow,  $\pm$  10 mm. long, 2 to 4 mm. broad, minutely dotted with glands. Petals  $\pm$  15 mm. long, 7-8 mm. broad. Stamens 40 to 50, 7-8 mm. long. Ovary 4 mm. long. Styles 3, 3 to 3.5 mm. long. Stigma flattened, sub-peltate (?).  
Paramo de Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906 -

1178. *Castilleja fissifolia* Linn. fil.

Scrophulariaceae

Paramo de Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906

1179. (*Begonia*) <sup>*Begonia*</sup> *Casparya fissisepala* C. Dc. in Bull. Herb.  
Briss. Ser. 2, 8: 319.

Upper zone of forest, 3200<sup>m</sup>, Buena Vista, Huila group - Cauca - Jan. 25, 1906.

1180

Ericaceae

Upper zone of forest, 3200<sup>m</sup>, Buena Vista, Huila group, Cauca - Jan. 25, 1906

1181. *Senecio vaccinioides* (H. B. K.) Sch. Bip.

Compositae

Paramo de Buena Vista, 3300<sup>m</sup>, Huila group, Cauca - Jan. 25, 1906.

1182.

Ericaceae

Paramo de Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.



1183. *Osteomeles pernettoides* (Wedd.) Dene.

Rosaceae

Paríamo de Buenavista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.

1184. *Rubus*

Rosaceae

Paríamo de Buenavista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 1906.

1185. *Hieracium frigidum* Weddell.

Compositae

Paríamo de Buenavista, 3300<sup>m</sup>, Huila group, Cauca - Jan. 25, 1906.

1186. *Calamagrostis effusa* (H. B. K.) Steud.

Graminae

Paríamo de Buenavista, 3300<sup>m</sup>, Huila group, Cauca - Jan. 25, 1906.

1187. *Blaphoglossum Giesliianum* (Fee) Christ

Filices

Upper zone of forest, 3200<sup>m</sup>, Buenavista, Huila group - Cauca - Jan. 25, 1906.

1188. *Fuchsia*

Upper zone of forest, 3100<sup>m</sup>, Buenavista, Huila group, Cauca - Jan. 25, 1906.

1189. *Struthiopteris*

Filices

Upper zone of forest, 3200<sup>m</sup>, Buenavista, Huila group, Cauca - Jan. 25, 1906.

1190. *Microthamnium Gürkheimi* C. M.

Musci

Upper zone of forest, 3100<sup>m</sup>, Buena Vista, Huila group, Cauca - Jan. 25, 1906.  
On tree trunks



1191. *Byathrea patens* Karst.

Fern

Upper zone of forest, 3100<sup>m</sup>, Buena Vista, Huila group, Cauca - Jan. 25, 1906. - Col-  
umb.

1192. *Hymenophyllum Lindenii* Hook.

Fern.

Upper zone of forest, 3100<sup>m</sup>, Buena Vista, Huila group, Cauca - Jan. 25, 1906.

1193. *Lycopodium pastoense* (Baker).

Lycopodiaceae

Upper zone of forest, 3200<sup>m</sup>, Buena Vista, Huila group, Cauca - Jan. 25, 1906

1194. *Lycopodium contiguum* Klotzsch.

Lycopodiaceae

Upper zone of forest, 3200<sup>m</sup>, Buena Vista, Huila group, Cauca - Jan. 25, 1906.

1195. *Campyloneurum amphostemon* (Kze).

Polypodiaceae

Upper zone of forest, 3200<sup>m</sup>, Buena Vista, Huila group, Cauca - Jan. 25, 1906

1196. *Gynoxys fuliginosa* (H.B.K.) Cass. & Less.

Compositae

Páramo de Buena Vista, 3800<sup>m</sup>, Huila group, Cauca - Jan. 25, 1906.

1197. *Muehlenbeckia*

Polymnaceae

Páramo de Tierra caliente, 3400<sup>m</sup>, Huila group, Cauca - Jan. 25, 1906.

1198. *Glaphyopteris*

Fern.

Upper forest region, 3100<sup>m</sup>, Buena Vista, Huila group - Cauca - Jan. 25, 1906



1199

? Compositae

Paramo de Buena Vista, 3300<sup>m</sup>, Huila group - Cauca - Jan. 25, 19061200. *Dryopteris Pittieri* C. Chr. n. sp. in Smith. <sup>Filices</sup>

Misc. Coll. vol. 52, (1909) p. 393.

Upper zone of forest, 3100<sup>m</sup>, Buena Vista, Huila group - Cauca - Jan. 1906.

1201

Borraginaceae

Upper limit of forest, 3300<sup>m</sup>, Rio Paez, Huila group - Jan. 25, 1906.1202. *Cardamine picta* Hooker.

Cruciferae

Upper limit of forest, 3300<sup>m</sup>, Rio Paez, Huila group - Jan. 25, 19061203 *Miconia epiphytica* Cogn.

Melastomataceae

Upper limit of forest, 3300<sup>m</sup>, Rio Paez, Huila group - Jan. 25, 1906.1204<sup>v</sup>

Melastomataceae

Upper limit of forest, 3300<sup>m</sup>, Rio Paez, Huila group, Jan. 25, 1906.1205. *Werneria humilis* H. B. K.

Compositae

Paramo de Buena Vista, 3400<sup>m</sup>, Huila group, Cauca - Jan. 25, 1906.1206. *Sicranum speciosum* Hook. f. & Wils.

Musci

Paramo de Buena Vista, 3400<sup>m</sup>, Huila group, Cauca - Jan. 25, 1906.



1207- *Stenorrhynchus cernua*?

Orchidaceae

Plantas, 2900<sup>m</sup>, R. Paez Valley, Huila group, Cauca - Jan. 26, 1906 - Fl.

1208- *Piqueria planipetiolata* Robinson n. sp.

Plantas, 2900<sup>m</sup>, R. Paez Valley, Huila group, Cauca - Jan. 26, 1906.

1209- *Loasa* new

n.v. pinga moza

Plantas, 2900<sup>m</sup>, R. Paez Valley, Huila group, Cauca - Jan. 26, 1906. Fl. tile  
l. Nettle.

1210

Gesneraceae

Plantas, 2900<sup>m</sup>, Rio Paez Valley, Huila group, Cauca - Jan. 26, 1906 - Corolla  
with green, dark purple punctuated tips.

1211- *Glibadium asperum* Bb.

Compositae

Plantas, 2900<sup>m</sup>, Rio Paez Valley, Huila group, Cauca - Jan. 26, 1906

1212

Gesneraceae

Plantas, 2900<sup>m</sup>, Rio Paez Valley, Huila group, Cauca - Jan. 26, 1906

1213- *Carex pichinchensis* H. B. K.

Cyperaceae

Plantas, 2700<sup>m</sup>, Rio Paez Valley, Huila group, Cauca - Jan. 26, 1906.

1214

Plantaginaceae

Plantas, 2700<sup>m</sup>, Rio Paez Valley, Huila group, Cauca - Jan. 26, 1906.



11215.

Ranunculaceae Plantas, 2900<sup>m</sup>, R. Paez Valley, Huila group - Cauca - Jan. 26, 1906.

11216.

Urticaceae Plantas, 2900<sup>m</sup>, R. Paez Valley, Huila group - Cauca - Jan. 26, 1906.

11217. Brachistus

Solanaceae Plantas, 2900<sup>m</sup>, R. Paez Valley, Huila group - Cauca - Jan. 26, 1906.

11218

Myrtaceae Plantas, 2900<sup>m</sup>, R. Paez Valley, Huila group - Cauca - Jan. 26, 1906. A  
small tree, 3-4 m. high.

11219

Gesneriaceae Plantas, 2700<sup>m</sup>, R. Paez Valley, Huila group, Cauca - Jan. 26, 1906.

11220

Acanthaceae Plantas, 2700<sup>m</sup>, R. Paez Valley, Huila group, Cauca - Jan. 26, 1906.

11221

Rubiaceae Plantas, 2700<sup>m</sup>, R. Paez Valley, Huila group, Cauca - Jan. 26, 1906. Fl.  
yellowish white.

11222

Melastomataceae Plantas, 2700<sup>m</sup>, R. Paez Valley, Huila group, Cauca - Jan. 26, 1906. A  
small tree.



1. 1223.

n.v. jigua; paéz. éts'x

Lauraceae

Around Huila, 1800<sup>m</sup>, R. Paez Valley - Cauca Jan. 28, 1906. A small, crooked tree

1. 1224.

paéz: tkál

Lauraceae

Around Huila, 1800<sup>m</sup>, R. Paez Valley - Jan. 28, 1906. A small, crooked tree.

1. 1225. *Momina pubescens* H. B. K.

n. paéz: dens

Polygalaceae

Around Huila, 1800<sup>m</sup>, R. Paez Valley, Jan. 28, 1906. A shrub, 1-2<sup>m</sup> high.

1. 1226.

n.v. pichague; fr. black, edible

~~Myrtaceae~~

Around Huila, 1800<sup>m</sup>, R. Paez Valley, Jan. 28, 1906. A small tree.

1. 1227. *Miconia aeruginosa* Naud.

n.v. mortiño; paéz: tse-ua-xá; fr. bluish, edible

Melastomataceae

Around Huila, 1800<sup>m</sup>, R. Paez Valley, Jan. 28, 1906. A shrub, 2-3<sup>m</sup> high.

1. 1228. *Hyptis*

n.v. merupacha azul.

Labiatae

Around Huila, 1800<sup>m</sup>, R. Paez Valley, Jan. 28, 1906. Fl. lilas

1. 1229. *Hyptis*

Labiatae

Around Huila, 1800<sup>m</sup>, R. Paez Valley, Jan. 28, 1906.

1230. *Piper huilatum* C. DC.

Piperaceae

Around Huila, 1800<sup>m</sup>, R. Paez Valley, Jan. 28, 1906. A small tree.



1231-

Piperaceae

*Piper sectimis* Steffensia propter baccam ignotam non descriptum.

1232- *Piper paezanum* C. DC. nov. sp.  
n. paez: tumbak

Piperaceae

1233- *Liabum solidagineum* Less.

Compositae

1234- *Stigmaphyllon*.

Malpighiaceae

1235- *Baccharis floribunda* H. B. K.  
n. paez: ta<sup>1</sup>p

Compositae

1236

n. paez: a'-tal-s'lluit

Cruciferae

1237- *Euphorbia*

Euphorbiaceae

n. paez: leche un-tsutsna = echa leche

1238- *Paspalum candidum* Kth. (86) Graminae

[Cauca]

Around Huila, 1800', R. Paez Valley - Jan. 28, 1906. A shrub, 1-1.5' high.

Around Huila, 1800', R. Paez Valley - Jan. 28, 1906. A shrub - 2-3' high.

Around Huila, 1800', R. Paez Valley - Jan. 28, 1906. A shrub - 2-3' high.

Around Huila, 1800', R. Paez Valley, Jan. 28, 1906. A vine; fl. yellow.

Around Huila, 1800', R. Paez Valley - Jan. 28, 1906. A 3-4' high treelet; fl. white.

Along S. Vicente R., Huila, R. Paez Valley - Jan. 28, 1906. Fl. white.

Along S. Vicente R., Huila, R. Paez Valley - Jan. 28, 1906.

Along S. Vicente R., Huila, R. Paez Valley - Jan. 28, 1906. Rami & ped. culms, 3-4' long.



1239. *Rubus floribundus* H. B. & K. Rosaceae

Around Huila, 1800', R. Paez Valley. Jan. 28, 1906. Fl. lilas.

1240. *Oegopogon geminaeflorus* H. B. & K. Graminae

Along S. Vicente R., 1800', Huila, R. Paez Valley, Jan. 28, 1906.

1241

Mimosae

n.v. quarango; paez tsuns = bush

quarango, Kitsua quarangu

1242. *Micromeria Brownei* Benth.

Labiatae

Along S. Vicente R. 1800', Huila, Rio Paez Valley. Jan. 28, 1906. A. small tree, with depressed crown, 3-4' high; fl. white

Along S. Vicente R. 1800', Huila, R. Paez Valley. Jan. 28, 1906. A. diminute herb, on wet sand and among moss; fl. purplish pink.

1243

Phaseolaceae

Around Huila, 1800', R. Paez Valley, Jan. 28, 1906. Common. fl. white

1244. *Salvia*

Labiatae

Along S. Vicente R., 1800', Huila, R. Paez Valley. Jan. 28, 1906. Fl. red.

1245. *Eupatorium solidaginoides* H. B. & K. Compositae

Along S. Vicente R., 1800', Huila, R. Paez Valley. Jan. 28, 1906. Vine-like; fl. yellow.

1246. *Pridium pumiferum* L.

Myrtaceae

n.v. guayava agria;

Around Huila, 1800', R. Paez Valley. Jan. 29, 1906. A small, distorted tree, 2-3' high. Fruits round, yellow and sweet when ripe, 2-3 cm. diam.



1247

## Bromeliaceae

Around Huila, 1800', Rio Paez Valley - Jan. 29, 1906. Epiphytic, fl. pink. A common sp.

1248. *Erythrina* (~~*rubrivenosa* H.B. & K.~~) *edulis* Triana.  
n.v. pisamo (Cauca?); chachafruto (Cotima); paez: usshál - bl  
frijol se come sancochado o' compuesto en dulce - chachaporoto.

1249

## Euphorbiaceae

n.v. lechero; paez ibitsáts'. Used for live fences; milk  
to destroy warts. (ibitsáts'a).

1250

Around Huila, 1800', R. Paez Valley - Jan. 29, 1906. A medium sized tree.  
Fl. yellow.

Around Huila, 1800', Rio Paez Valley - Jan. 29, 1906. A tree 6-8' high.

Around Huila, 1800', Rio Paez Valley - Jan. 29, 1906. A small, bushy  
tree, 2-4' high; fl. yellowish white.

1251. *Polypogon interruptus* H.B. & K.

## Graminae

Around Huila, 1800', Rio Paez Valley - Jan. 29, 1906. ...

1252

## Ericaceae

Around Huila, 1800', Rio Paez Valley - Jan. 29, 1906. Epiphytic. Fl.  
white; fr. jelly-like, white.

1253

## Melastomataceae

Around Huila, 1800', Rio Paez Valley, Jan. 29, 1906. In pastures; fl. light  
pink.

1254. *Eupatorium molle* H.B. & K.

## Compositae

n.v. altamisa blanca

Around Huila, 1800', R. Paez Valley - Jan. 29, 1906. Common in pastures;  
fl. white.



1255. *Tagetes* Compositae  
n.v. mata-pulgas - *Odoriferous*, bad smell - *paez finstia'*; used by the  
Paez Indians to kill worms on cattle wounds.

1256. *Eupatorium leptcephalum* DC. Compositae

1257. *Polypogon interruptus* H. B. K. Graminae

1258. *Guzalagunia rugosa* Standley. Rubiaceae

1259. *Rhus juglandifolia* H. B. & K. Berberthaceae  
n.v. caspe; *paez džetex* - said to be very dangerous. Caspe,  
or Raspi is a Kichua name

1260. Equisetaceae

1261. *Daucus montanus* Willd. Umbelliferae  
culantillo; n. *paez*: ul-me'-uk

1262. *Salvia* Labiatae

Around Huila, 1800', Rio Paez Valley - Jan. 29, 1906. Waste places; fl.  
yellow.

Around Huila, 1800', Rio Paez Valley - Jan. 29, 1906. In bushes; fl. violet

Around Huila, 1800', Rio Paez Valley - Jan. 29, 1906.

Around Huila, 1800', Rio Paez Valley - Jan. 29, 1906. In bushes, a  
shrub, 2-3' high.

Around Huila, 1800', Rio Paez Valley - Jan. 29, 1906. A small tree, 3-4'  
high.

Along R. S. Vicente, Huila, Rio Paez Valley - Jan. 29, 1906.

Around Huila, 1800', Rio Paez Valley - Jan. 29, 1906.

Around Huila, 1800', R. Paez Valley - Jan. 29, 1906. Fl. purple.



1263. *Oplismenus compositus* Beauv. Graminae

[Cauca]  
Around Huila, 1800<sup>m</sup>, Rio Paez Valley - Jan. 29, 1906 - Along the river, in  
fushes.

1264. *Sisirhynchium micranthum* Cav. Fridaceae

Around Huila, 1800<sup>m</sup>, Rio Paez Valley - Jan. 29, 1906 - Fl. yellowish white.

1265. *Chaetochloa interbis geniculata* (Poir.) S. M. Graminae

Around Huila, 1800<sup>m</sup>, Rio Paez Valley - Jan. 29, 1906 - ~~Fl.~~

1266. *Casparum* Graminae

Around Huila, 1800<sup>m</sup>, Rio Paez Valley - Jan. 29, 1906.

1267. *Crisetum degenoides* H. B. K. Graminae

Around Huila, 1800<sup>m</sup>, Rio Paez Valley - Jan. 29, 1906

1268. *Loasa bipinnata* Donn. Sm. Loasaceae  
n. paez: kās

Around Huila, 1800<sup>m</sup>, Rio Paez Valley - Jan. 29, 1906 - In cool places.  
Fl. yellowish white

1269. *Salvia palaeifolia* H. B. & K. Labiatae  
n. v. parendora; paez buít's - Said to cause abortion  
when eaten by cows. recorded.

Around Huila, 1800<sup>m</sup>, Rio Paez Valley, Jan. 29, 1906. In pastures;  
fl. blue, corolla short.

1270. (*Cuphea*) *Parsonia micrantha* (H. B. K.) Lythraceae

Around Huila, 1800<sup>m</sup>, Rio Paez Valley - Jan. 29, 1906 - In pastures -  
Fl. pink.



1270. *Campylopus concolor* (Hook.) Mitt.

Musci

Around Huila, 1800', Rio Paez Valley - Jan. 29, 1906. On stones.

1272. *Oplismenus Humboldtianus persepiloneus* Hoffm. Graminae

Around Huila, 1800', Rio Paez Valley - Jan. 30, 1906. In open pastures.

1273

Myricaceae

Around Huila, 1800', Rio Paez Valley - Jan. 30, 1906. A low bush; fl. purplish green; st. 5.

1274. *Calcea caracasana* (H. B. K.) Herin. Compositae  
paez: et'z (= k'oa).

Around Huila, 1800', R. Paez Valley - Jan. 30, 1906. In bushes. Long trailing herb.

1275. *Relbunium hypocarpium* (L.) Hemsl.

p. tuk-ue'-tse' <sup>root</sup>; used for dyeing wool in red. Rutaceae  
n.v. raicilla.

Around Huila, 1800', R. Paez Valley - Jan. 30, 1906.

1276. *Saurauja*

paez: mdz'ik; moquito, *S. ...*  
det. ... Vir. ...

Around Huila, 1800', R. Paez Valley - Jan. 30, 1906.

1277

Equisetaceae

paez: uKle'; n.v. tembladera

Along S. Viente R. Huila, R. Paez Valley - Jan. 30, 1906

1278

Campanulaceae

n.v. : piojo

Around Huila, 1800', R. Paez Valley - Jan. 30, 1906.



1279. *Crotalaria anagyroides* H. B. & K. Leguminosae

Below Huila, 1700', R. Paez Valley. Jan. 31, 1906. Small bush; fl. yellow.

1280

Lauraceae

Around Huila, 1800', R. Paez Valley - Jan. 31, 1906. A small tree, 6-8' high. fl. yellow.

1281

Asclepiadaceae

Around Huila, 1800', R. Paez Valley - Jan. 31, 1906. A milky vine; fl. green with or purplish yellow.

1282. *Cissampelos Caxpeba* L.?

Menispermaceae

Around Huila, 1800', R. Paez Valley. Jan. 31, 1906.

*n. v. C. angustifolia*

1283. *Ischaemum latifolium* Kunth.

Graminae

Around Huila, 1800', R. Paez Valley. Jan. 31, 1906.

1284 *Oxalis*

Oxalidaceae

Around Huila, 1800', R. Paez Valley. Jan. 31, 1906.

1284a. *Ionoxalis articulata* (Sw.)

1285. *Epidendrum fimbriatum* H. B. K. Orchidaceae

Around Huila, 1800', R. Paez Valley. Jan. 31, 1906. Fl. white

1286

? Melastomaceae

n. v. aguacatillo?

Paez Bridge, below Huila, 1600', R. Paez Valley. Jan. 31, 1906. A tree, the size of the aguacate-tree, and very like it.



1287- *Phaseolus erythroloma* Mart.

Leguminosae

Below Huila, 1700', R. Paez Valley - Jan. 31, 1906 - Fl. brick red;

1288

Solanaceae

Below Huila, 1600', Rio Paez Valley - Jan. 31, 1906 - A middle sized tree; fl. blue.

paez: llima; n.v. ujaca

1289- *Lantana alba* Mill. (? P.)

Verbenaceae

Below Huila, 1600', Rio Paez Valley, Jan. 31, 1906 - Fl. lilas.

1290

Leguminosae

Below Huila, 1600', Rio Paez Valley, Jan. 31, 1906 - Fl. pink.

1291- *Hieracium Obvilae* H.B.K.

Compositae

Below Huila, 1600', Rio Paez Valley - Jan. 31, 1906 -

1292

Gesneraceae

Below Huila, 1600', Rio Paez Valley - Jan. 31, 1906 - Fl. red.

1293

Leguminosae

Below Huila, 1600', Rio Paez Valley - Jan. 31, 1906.

paez: sa' lufia;

1294- *Tillandsia usneoides* L.

Bromeliaceae

Below Huila, 1600', Rio Paez Valley, Jan. 31, 1906.

n.v. salvajina



1295.

Euphorbiaceae.

Below Huila, 1700', R. Paez Valley - Jan. 31, 1906 - Small tree, 2-3' high.

1296

Leguminosae

Below Huila, 1700', R. Paez Valley - Jan. 31, 1906 - Fl. purple.

1297 *Eupatorium tacotanum* Klatt.

Compositae

Below Huila, 1700', Rio Paez Valley - Jan. 31, 1906 - On dry hills; fl. purple.

1298 *Carex cladostachya* Vahl.

Cyperaceae

Below Huila, 1700', Rio Paez Valley, Jan. 31, 1906.

1299

Orchidaceae

Below Huila, 1700', Rio Paez Valley - Jan. 31, 1906.

1300 *Vismia*paez et:

Huila, 1900', Rio Paez Valley - Jan. 31, 1906. A small tree, 3-4' high.

1301 *Monochaetum Bonplandii* Naud.

Melastomataceae

Huila, 1800', Rio Paez Valley - Jan. 31, 1906.

1302 *Geranium diffusum* H. B. & K.

Geraniaceae

Huila, 2000', Rio Paez Valley - Jan. 31, 1906. In cultures - Fl. pink.



1304- *Valeriana pinnatifida* N.M.

Valerianaceae

around Huila, 2000', R. Paez Valley - Jan. 31, 1906. In cultures.

1305- *Datura arborea* L.

Solanaceae

around Huila, 2000', R. Paez Valley - Jan. 31, 1906. Fr. large, 13 cm. long, 5.5 cm. (17 circ.).

n.v. borrachero; paez = id's (en Popayan guante)

1306- *Carica*

n.v. hiquillo; tapaculo; paez: mém - fr. odorous, edible, slightly acid; yellow when ripe; when eaten the seeds stick together and obstruct the bowels; very u-  
-sious.

1307

Leguminosae

around Huila, 1900', R. Paez Valley - Febr. 2, 1906. Leaves dimorphic; ♂ fl. greenish, in axillary racemes; ♂ fl. greenish, in pedunculated, axillary racemes; leaves hirsute be-  
-plant of the same habit than C. Papaya, but generally ramified. Phot. R. 26.

between Huila and Bitanco, 2000', R. Paez Valley - Febr. 3, 1906. About 1' high. In sterile  
-s.

1308- *Hieracium frigidum* Wedd.

Compositae

between Huila & Bitanco, 2000', R. Paez Valley - Febr. 3, 1906. On sterile slopes.

1309- *Gaultheria cordifolia* H.B.K.

Ericaceae

between Huila & Bitanco, 2000', R. Paez Valley - Febr. 3, 1906.

1310. *Trachypogon polymorphus* Hack.

Graminae

between Huila & Bitanco, 2000', R. Paez Valley - Febr. 3, 1906.

1311. *Trachypogon polymorphus* Hack.

Graminae

between Huila & Bitanco, 2000', R. Paez Valley - Febr. 3, 1906.

[Cauca]



131312. *Agrostis perennans* (Walt.) Luck. Graminae Between Huila & Bitonco, 1900-2300<sup>m</sup> Febr. 3<sup>d</sup>, 1906.

131313. *Calamagrostis monteridiensis* Nees. Graminae Between Huila & Bitonco, 1900-2300<sup>m</sup> Febr. 3<sup>d</sup>, 1906.

131314. *Saccharum cayennense* Benth. Graminae Between Huila & Bitonco, 1900-2300<sup>m</sup> Febr. 3<sup>d</sup>, 1906.

131315. *Andropogon bracteatus* Willd. Graminae Between Huila & Bitonco, 1900-2300<sup>m</sup> Febr. 3<sup>d</sup>, 1906.

131316. Leguminosae Between Huila & Bitonco, 1900-2300<sup>m</sup> Febr. 3<sup>d</sup>, 1906.

131317. Leguminosae Between Huila & Bitonco, 1900-2300<sup>m</sup> Febr. 3<sup>d</sup>, 1906. Fl. yellow.

131318. *Rhynchospora* Cyperaceae Between Huila & Bitonco, 1900-2300<sup>m</sup> Febr. 3<sup>d</sup>, 1906.

131319. *Rhynchospora aurea*? Vahl. Cyperaceae Between Huila & Bitonco, 1900-2300<sup>m</sup> Febr. 3<sup>d</sup>, 1906.



13. 1320. *Festuca mirabilis* Piper

Graminae Between Huila & Bitonco, 1900-2300<sup>m</sup> Paez Valley. Febr. 3<sup>d</sup> 1906.

13. 1321. *Bartsia gracilis* Benth.

Scrophulariaceae Between Huila & Bitonco, 1900-2300<sup>m</sup> R. Paez Valley. Febr. 3<sup>d</sup>, 1906.

n

Fl. purplish red.

13. 1322. *Phyllanthus salviaefolius* H. B. & K.

n. n. r. teñidero; paez sal; a black dye, used by the Indians to dye wool. -  
ye recorded; infusion, or decoction, of the leaves, is what is used.

Bitonco, 2300<sup>m</sup>, Moras Valley, Paez basin - Febr. 3<sup>d</sup>, 1906. - A small, low tree, characteristic for the region from 2000-3000<sup>m</sup>. Fl. red., disposed like *Phyllanthus*.

13. 1323

Monimiaceae Between Bitonco and Mozoco, 2500<sup>m</sup>, Moras Valley, Paez basin - Febr. 3<sup>d</sup>, 1906. - A small tree, in cool places.

n. r. cojon de chuchó; paez sut lap.

13. 1324. *Triticum vulgare* L.

Graminae Mozoco, 2600<sup>m</sup>, Moras Valley, Paez basin - Febr. 3<sup>d</sup> 1906. - Cultivated betw. 2-3000<sup>m</sup>

13. 1325

Melastomataceae Mozoco, 2600<sup>m</sup>, Moras Valley, Paez basin - Febr. 3<sup>d</sup>, 1906. - Fl. white, starlike; a low shrub.

13. 1326. *Capraria biflora* L.

Vitaceae Mozoco, 2600<sup>m</sup>, Moras Valley, Paez basin - Febr. 4, 1906. - A shrub, abt. 1<sup>m</sup> high; fl. deep purple.

13. 1327. *Tournefortia humilis* L.

Borreriaceae Mozoco, 2600<sup>m</sup>, Moras Valley, Paez basin - Febr. 4, 1906. - A small tree, 2-3<sup>m</sup> high; fl. white



130 1328 - *Monochaetum Bonplandii* Naud.

Melastomataceae. Mogoco, 2600', Moras Valley, Paez basin - Febr. 4, 1906. Fl. pink.; a low shrub.

130 1329 - *Gibbuechina lepidota* Baillon.

n. paez: ftu-tsi-me; n.v. fl. de mayo.

Melastomataceae. Mogoco, 2700', Moras Valley, Paez basin - Febr. 4, 1906. A shrub, sometimes a tree; characteristic of the upper forest region and beautiful. Fl. light purple.

130 1330

n.v. paez salam

yel

Melastomataceae. Mogoco, 2700', Moras Valley, Paez basin - Febr. 4. A low bush; fl. white

130 1331

paez salam

Mogoco, 2700', Moras Valley, Paez basin - Febr. 4, 1906. A low bush; fl. white

130 1332 *Gunnera*

p. tu-kets

Mogoco, 2700', Moras Valley, Paez basin - Febr. 4, 1906.

130 1333. *Briza ruoyi* Vasey

Graminae. Las Escaleretas, 2900', Moras Valley, Paez basin - Febr. 4, 1906.

130 1334 - *Stipa clandestina* Hack.

near *brachychaeta* Jodr.

Graminae. Las Escaleretas, 2900', Moras Valley, Paez basin - Febr. 4, 1906

130 1335 - *Pernettya coriacea* Klotzsch.

Ericaceae. Las Escaleretas, 2900', Moras Valley, Paez basin - Febr. 4, 1906.



- 13/1336. *Mikania paezensis* Rob. n. sp. (type). Compositae Las Escaleretas, 2900', Miras Valley, R. Paez basin. Febr. 4, 1906. A climbing vine fl. whitish.
- 13/1337. *Bidens humilis* HBK. Compositae Las Escaleretas, 2700-3200', Miras Valley, R. Paez basin. Febr. 4, 1906. Characteristic for the upper zone of forests and the lower páramo.
- 13/1338. *Greziera canescens* Humb. & Bonpl. Las Escaleretas, 2700', Miras Valley, R. Paez basin. Febr. 4, 1906. A medium size tree; fl. white, never seen open; fr. a black roid berry.  
n. n.v. motilon; paez X'pe.  
ye
- 13/1339. *Sisyrinchium* Fridaceae Las Escaleretas, 2700', Miras Valley, Paez basin, Febr. 4, 1906 fl. yellow.
- 13/1340. *Orthrosanthus chimboracensis* Baker. Fridaceae Las Escaleretas, 2700', Miras Valley, Paez basin. Febr. 4, 1906. Fl. blue.
- 13/1341. *Plantago lanceolata*, v. rigida Plantaginaceae Las Escaleretas, 2700', Miras Valley, R. Paez basin. Febr. 4, 1906.  
mat. alcohol.
- 13/1342. *Poa annua* L. Graminae Las Escaleretas, 2700', Miras Valley, R. Paez basin. Febr. 4, 1906.
- 13/1343. *Brachyotum canescens* Triana. Melastomataceae Las Escaleretas, 2500-3000', Miras Valley, R. Paez basin. Febr. 4, 1906. A shrub, erect; corolla pale yellow, forming a tube. Characteristic.  
Sarcilejo, Popayan, Puracé (Triana, Bonpland).



13 1344. *Alcaena elongata* L.

Rosaceae

Las Escaleretas, 2500-3200<sup>m</sup>, Moras Valley, Paez basin - Febr. 4, 1906.

13 1345. *Alchemilla orbiculata* R. & P.

Rosaceae

Las Escaleretas, 2500-3200<sup>m</sup>, Moras Valley, Paez basin - Febr. 4, 1906.

13 1346. *Alchemilla*

Rosaceae

Las Escaleretas, 2500-3200<sup>m</sup>, Moras Valley - Febr. 4, 1906

13 1347. *Bromus Porteri* Nash.

Graminae

Las Escaleretas, 2500-3200<sup>m</sup>, Moras Valley, Febr. 4, 1906.

13 1348. *Agrostis baccillata* Hack.

Graminae

Las Escaleretas, 2500-3200<sup>m</sup>, Moras Valley, Febr. 4, 1906

13 1349. *Agrostis Pittieri* Hack.

Graminae

Las Escaleretas, 2500-3200<sup>m</sup>, Moras Valley, Febr. 4, 1906.

13 1350. *Agrostis baccillata* Hack.

Graminae

Las Escaleretas, 2500-3200<sup>m</sup>, Moras Valley, Febr. 4, 1906.

13 1351. *Festuca Myuros* L.

Graminae

Las Escaleretas, 2500-3200<sup>m</sup>, Moras Valley, Febr. 4, 1906.



13 1352. *Polypogon interruptus* H. B. K.

Graminae

Las Escaleretas, 3000<sup>m</sup>, Moras Valley, R. Paz basin. Febr. 4, 1906.

13 1353. *Crisetum deyeusioides* H. B. K.

Graminae

Las Escaleretas, 3000<sup>m</sup>, Moras Valley - Febr. 4, 1906

13 1354. *Agrostis bacillata* Hack.

Graminae

Las Escaleretas, 3000<sup>m</sup>, Moras Valley - Febr. 4, 1906.

13 1355. *Vallea stipularis* H. B. K.

Elaeocarpaceae

Las Escaleretas, 2700<sup>m</sup>, Moras Valley, R. Paz basin. Febr. 4, 1906. A shrub, often a small tree.

13 1356. *Viburnum*

Caprifoliaceae

Las Escaleretas, 2700<sup>m</sup>, Moras Valley, R. Paz basin. Febr. 4, 1906. A small tree; fl. white

13 1357. *Lobelia rupestris* H. B. K.

Lobeliaceae

Las Escaleretas, 2700<sup>m</sup>, Moras Valley - Febr. 4, 1906. Fl. purplish blue

13 1358. *Viola obliquifolia* Turcz.

Violariaceae

Las Escaleretas, Moras Valley. 2700<sup>m</sup> - Febr. 4, 1906 Fl. pinkish white, with purple stripes.

13 1359

Melastomataceae

Las Escaleretas, Moras Valley, 2700<sup>m</sup> - Febr. 4, 1906 A small tree;



13 1360

Escaleras, 2900', Miras Valley, R. Paz Lami. Febr. 4, 1906. Fl. white, in mass.

13 1361 - *Aster marginatus* H. B. K.

Compositae

Escaleras, 2700-3300' Febr. 4, 1906. A characteristic species of the sabanas.

13 1362

Cyperaceae

Escaleras, 2700' Febr. 4, 1906. In masses.

n

8

13 1363 - *Paspalum*

Graminae

Escaleras, 2700' Febr. 4, 1906.

probably new

13 1364

Cyperaceae

Paramo de Miras, 3000', Febr. 4, 1906.

13 1365 - *Carex festiva* Dewey

Cyperaceae

Paramo de Miras, 3000', Febr. 4, 1906.

13 1366

Euphorbiaceae

Escaleras, 2900', Miras Valley. Febr. 4, 1906. A shrub, 2' high. Fl. white.

13 1367 - *Drymis Winteri* Forst.

Magnoliaceae

Escaleras, 2900', Miras V. - Febr. 4. A small tree, 4-5' high.



1. 1368. *Frullania brasiliensis* Raddi

*Hepaticae* Las Escaleretas, 2900<sup>m</sup>, Moras Páramo. Febr. 4, 1906.

1. 1369. *Acaena cylindrostachya* Ruiz & Pav.

*Rosaceae* Las Escaleretas, 2900<sup>m</sup>, Páramo de Moras. Febr. 4, 1906

1. 1370. *Solanum*

*Solanaceae* Las Escaleretas, 2900<sup>m</sup>, Páramo de Moras - Febr. 4, 1906 A shrub.

n

y

1. 1371. *Saurauja*

Las Escaleretas, Páramo de Moras, Febr. 4, 1906. A small tree; fl. white

1. 1372. *Liabum*

*Compositae* Las Escaleretas, Páramo de Moras. Febr. 4, 1906 - A climbing shrub;

1. 1373 *Castilleja fissifolia* Linn. fil.

*Scrophulariaceae* Páramo de Moras, 3100<sup>m</sup>, Febr. 4, 1906 -

1. 1374

*Umbelliferae* Las Escaleretas, 2900<sup>m</sup> - Páramo de Moras. Febr. 4, 1904.

1. 1375. *Casparya urticae* A. D.C.

*Begoniaceae* Las Escaleretas, 2900<sup>m</sup> - Páramo de Moras. Febr. 4, 1906.



1 1376. *Gnaphalium purpureum* L.

Compositae

Las Escaleretas, 3000', páramo de Moras - Febr. 4, 1906.

1 1377. *Polytrichadelphus ciliatus* (Hook. f. & W.)  
mitt. Musci

Las Escaleretas, 3000', páramo de Moras - Febr. 4, 1906.

1 1378. *Weinmannia rugosa* Benth.

Las Escaleretas, 3000', páramo de Moras - Febr. 4, 1906 - A small tree,  
2-3' high

1 1379

Urticaceae

Las Escaleretas, 3000', páramo de Moras - Febr. 4, 1906.

1 1380. *Eupatorium Lehmannianum* Klatt. Compositae  
1380a. *Eupatorium gracile* H. B. K. ♂ (two young! B. L. R.)

Las Escaleretas, 3000', páramo de Moras, Febr. 4, 1906 - A low bush;  
glutinous; fl. white.

1 1381. *Psilogramme flexuosa* (H. B. K.) Kuhn.

Fern.

Las Escaleretas, 3000', páramo de Moras, Febr. 4, 1906

1 1382. *Fuchsia* new

Las Escaleretas, 3000', páramo de Moras, Febr. 4, 1906

1 1383. *Collignonia ovalifolia* Heimerl.

Nyctagynaceae

Las Escaleretas, 3000', páramo de Moras - Febr. 4, 1906.



1384-

Compositae

Los Escaletas, 2900<sup>m</sup>, páramo de Moras, Febr. 4, 1906.

1385. *Pinguicula calyptrata* H. B. & K.

Utriculariae

Los Escaletas, 2900<sup>m</sup>, páramo de Moras. Febr. 4, 1906. Grows on the mossy, sheltered banks of deeply caved path.

1386. *Gentiana sedifolia* H. B. K.

Gentianeae

Páramo de Moras, 3000-3450<sup>m</sup>, Febr. 4, 1906. Fl. blue; characteristic for the higher region.

1387. *Dicranum frigidum* L. M.

Musci

Páramo de Moras, 3000-3450<sup>m</sup>, Febr. 4, 1906

1388. *Juncus Goudotii* (Hieron.) C. Chr.

Juncus

Páramo de Moras, 3000-3450<sup>m</sup>, Febr. 4, 1906.

1389.

Ericaceae

Páramo de Moras, 3000-3450<sup>m</sup>, Febr. 4, 1906. Fl. lilac colored.

1390

Alsinae

Páramo de Moras, 3000-3450<sup>m</sup>, Febr. 4, 1906

1391. *Polypodium moniliforme* Lag.

Polyp.

Páramo de Moras, 3000-3450<sup>m</sup>, Febr. 4, 1906.



- 1 1392 *Lee Lupinus Smithianus* Leguminosae  
H. B. & K. Paramo de Moras, 3000-3450<sup>m</sup> Febr. 4, 1906.
- 1 1394 *Erigeron pellitus* (H. B. K.) Wedd. Compositae Paramo de Moras, 3000-3450<sup>m</sup> Febr. 4, 1906
- 1 1395 *Funaria* Funaceae Paramo de Moras, 3000-3450<sup>m</sup> Febr. 4, 1906
- 1 1396 *Ericaceae* Paramo de Moras, 3000-3450<sup>m</sup> Febr. 4, 1906. Fl. white-pinkish
- 1 1397 *Gomphocis valida* Rehb. f. Orchidaceae Paramo de Moras, 3000-3450<sup>m</sup> Febr. 4, 1906.
- 1 1398 *Geranium cucullatum* H. B. & K. Geraniaceae Paramo de Moras, 3000-3450<sup>m</sup> Febr. 4, 1906. Fl. small, pale pink.  
Erespitous.
- 1 1399 *Ranunculus rubiginosus* H. B. K. Ranunculaceae Paramo de Moras, 3000-3450<sup>m</sup> Febr. 4, 1906. Wet places; fl. pale yellow
- 1 1400 *Alsinia* Alsinaceae Paramo de Moras, 3000-3600<sup>m</sup> Febr. 4, 1906. Fl. white



1401. *Antennaria gnaphalioides* (H. B. K.) Compositae

Campo de Moras, 3000-3450<sup>m</sup>, Febr. 4, 1906.

1402. *Eryngium humile* Cavan. Umbelliferae

Campo de Moras, 3000-3600<sup>m</sup> - Febr. 4, 1906.

1403. Fridaceae

Campo de Moras, 3000-3450<sup>m</sup>, Febr. 4, 1906 - Fl. yellow.

1404. *Berberis quin diuensis* H. B. K. Berberidaceae

Campo de Moras, 3000-3600<sup>m</sup> - Febr. 4, 1906 - Fl. sulph. or orange-yellow

1405. Polygalaceae

Campo de Moras, 3000-3600<sup>m</sup> - Febr. 4, 1906.

1406. Ericaceae

Campo de Moras, 3000-3600<sup>m</sup> - Febr. 4, 1906 - Fl. pink

1407. " "

Campo de Moras, 3000-3600<sup>m</sup> - Febr. 4, 1906

1408. *Diplostegium anactinotum* Wedd. ? Compositae

Campo de Moras, 3000-3600<sup>m</sup> - Febr. 4, 1906.



1 1409. *Festuca toluensis* H. B. K.

Graminae

Paríamo de Miras, 3000-3450<sup>m</sup> - Febr. 4, 1906.

1 1410. *Rhynchospora*

Cyperaceae

Paríamo de Miras, 3000-3450<sup>m</sup> - Febr. 4, 1906

1 1411. *Gentiana crassulifolia* Griseb. v. *selaginifolia* Pilg. - Gentianaceae

Paríamo de Miras, 3000-3450<sup>m</sup> - Febr. 4, 1906. Fl. white, sometimes blue tinged inside. In Weddell Chl. and. the fl. are indicated as sulphur yellow. The stems are decidedly lignous.

1 1412. *Oretophyllum caucanum* Standley. n. sp. Rubiaceae

Paríamo de Miras, 3000-3450<sup>m</sup> - Febr. 4, 1906

1 1413

Paríamo de Miras, 3000-3450<sup>m</sup> - Febr. 4, 1906

1 1414. *Lycopodium aufescens* Hook. fide L. M. U.

Lycopodiaceae

Paríamo de Miras, 3000-3600<sup>m</sup> - Febr. 4, 1906

1 1415. *Erigeron*

Compositae

Paríamo de Miras, 3000-3600<sup>m</sup> - Febr. 4, 1906

1 1416. *Baccharis articulata* DC.

Compositae

Paríamo de Miras, 3000-3600<sup>m</sup> - Febr. 4, 1906.



- 14 1417 - *Hypochaeris sessiliflorus* H.B.K. ? Compositae Cuzco de Moras, 3000-3450<sup>m</sup>, Febr. 4, 1906 - Fl. jaunes
- 14 1418 - *Werneria humilis* H.B.K. Compositae Cuzco de Moras, 3000-3450<sup>m</sup> Febr. 4, 1906.
- 14 1419 - *Odontoglossum Lindenii* Lindl. Orchidaceae Cuzco de Moras, 3000-3450<sup>m</sup> Febr. 4, 1906 Fl. jaunes
- 14 1420 - *Masdevallia racemosa* Lindl. Orchidaceae Hyper forest zone, 2600-3000<sup>m</sup>, Pitayo Valley; Fl. fire red; charac
- 14 1421 Labiatae Above Pitayo, 2800<sup>m</sup>, valle de Quintero; Febr. 4, 1906 - Fl. fire red, 2-3<sup>m</sup> high
- 14 1422 Melastomataceae Above Pitayo, 2800<sup>m</sup>, valle de Quintero - Febr. 4, 1906.
- 14 1423 - *Brachypodium mexicanum* Link. Graminae Above Pitayo, 2800<sup>m</sup>, valle de Quintero - Febr. 4, 1906
- 14 1424 - *Cacsonia mixta* Juss. Passifloraceae Above Pitayo, 2800<sup>m</sup>, valle de Quintero - Febr. 4, 1906.
- paes: pe'te:



1 1425 *Calceolaria*

1 1426

*paq mo-kis*

*Labiatae*

1 1427 *Fruchia* *new*

1 1428 *Verena littoralis* L. var. ?

*Verbenaceae*

1 1429 *Cissium* *Silybum marianum* Gaertn.

1 1430 *Ullucus tuberosus* Baldas.

n.v. *ulluco*; *pez*

1 1431 *Tropaeolum tuberosum* R. & P.

n.v. *majua*

1 1432

*Compositae*

"Probably a more robust form of *Bidens rubifolia* H.B.K.

[Sherff]

Valle de Quintero, above Pitayo, 2700' - Febr. 4, 1906

Valle de Quintero, 2700', above Pitayo - Febr. 4, 1906 - Fl. greenish red; a shrub.

Pitayo, 2650', on the plaza - Febr. 5, 1906.

Pitayo, 2650', in waste places - Febr. 5, 1906.

Pitayo, 2650', cultivated - tuber-like roots, edible.

Pitayo, 2650', cultivated for its edible tuber-like roots.

Below Pitayo, 2550' - Febr. 5, 1906



11433

Labiatae

Below Pitayo, 2500<sup>m</sup>, in bushes - Febr. 5, 1906 - 2<sup>m</sup> high.

11434 - *Bromus Porteri* Nash.

Graminae

Below Pitayo, 2400<sup>m</sup> - Febr. 5, 1904

11435 - *Trisetum degenioides* H. B. K.

Graminae

Below Pitayo, 2400<sup>m</sup> - Febr. 5, 1904

11436 - *Trisetum degenioides* H. B. K.

Graminae

Below Pitayo, 2400<sup>m</sup> - Febr. 5, 1904.

11437 - *Festuca mirabilis* Piper.

Graminae

Below Pitayo, 2400<sup>m</sup>, Febr. 5, 1906.

11438 - *Stipa clandestina* Hack. in poor.

Graminae

Below Pitayo, 2400<sup>m</sup>, Febr. 5, 1904.

11439 - *Cypella*.

Uridaceae

Near Jambalo, 2200<sup>m</sup> - Febr. 5, 1906 - Fl. purple

11440 - *Chalictum podocarpum* H. B. K.

Ranunculaceae

Near Jambalo, 2200<sup>m</sup> - Febr. 5, 1906.



1441. *Lippia myriocephala* Cham. & Schl.

Verbenaceae

Near Jambalo', 2200<sup>m</sup> - Febr. 5, 1906 - A small tree; fl. white.

1442.

Cesneraceae

Near Jambalo', 2200<sup>m</sup> - Febr. 5, 1906. Fl. deep purple.

1443. *Mauria simplicifolia* H. B. K. Anacardiaceae

Near Jambalo', 2200<sup>m</sup> - Febr. 5, 1905 - A medium size tree; fl. purplish white

1444. *Festuca mirabilis* Piper.

Graminae

Near Jambalo', 2200<sup>m</sup> - Febr. 5, 1905 -

1445. *Caesonia manicata* Juss.

Passifloraceae

Near Jambalo', 2200<sup>m</sup> - Febr. 5, 1905 - A common vine, with bright red flowers.

n. proz šlal; granadilla de monte. Fruit not edible.

1446. *Malva sylvestris* L.

Malvaceae

Jambalo', 2200<sup>m</sup> - Febr. 5, 1906 - About 2.50 high; in waste places.

1447. *Dalea*

Below Jambalo', 2100<sup>m</sup> - Febr. 5, 1906 - 1.50 high; fl. azure.

1448

Labiatae

Below Jambalo', 2100<sup>m</sup> - Febr. 5, 1906 -



1449

Lauraceae

Loma Gorda, 2400', near Jambalo', Febr. 5, 1906 - A medium sized tree.

1450. *Delostoma albidum*

Pittier sp. nov. Bignoniaceae

Loma Gorda, 2400', near Jambalo' - Febr. 5, 1906 - A small tree; fl. pinkish white

1451. *Roupala ferruginea* H. B. & K.

Proteaceae

Loma Gorda, 2400', near Jambalo'; Febr. 5, 1906 - A small tree.

1452. *Alnus Mirbelii* Spach.n.v. aliso; paez pinzo

Loma Gorda, 2400', near Jambalo', Febr. 5, 1906.

1453. *Baccharis cassinaefolia* DC.

Compositae

Fermolillo, 2200', near Jambalo'. Febr. 5, 1906 - A small tree.

1454. *Alchornea coelophylla* Pax & K. Hoffm. Euphorbiaceaen.v. palo bobo;

Fermolillo, 2200', near Jambalo'; Febr. 5, 1906.

1455. *Ornithopteris villosa* (Willd.).

Fern

Alto de Primicias, 2600', near Jambalo' - Febr. 5, 1906

1456. *Raimondia*

Annonaceae

Alto de Primicias, 2600', near Jambalo', Febr. 5, 1906 - A small tree; in phot.



1457- *Saurauia*

1458- *Andropogon saccharoides* Sw.

Graminae

1459- *Agrostis perennans* (Walt.) Luckerm.

Graminae

1460- *Andropogon bicornis* L.

Graminae

1461- *Paspalum conspersum* Schrad.

Graminae

1462- *Andropogon condensatus* H. B. K.

Graminae

1463- *Trachypogon polymorphus* Hack.

Graminae

1464 *Chaetochloa imberbis* (Poir.) Scribn. Graminae

Alto de Primicias, 2600<sup>m</sup>, near Jambaló - Febr. 6, 1906 - A small tree.

Loma de Bichique, 2000<sup>m</sup>, between Coritio & Tacuayo - Febr. 6, 1906

Loma de Bichique, 2000<sup>m</sup>, between Coritio & Tacuayo - Febr. 6, 1906

Loma de Bichique, 2000<sup>m</sup>, between Coritio & Tacuayo - Febr. 6, 1906

Loma de Bichique, 2000<sup>m</sup>, between Coritio & Tacuayo - Febr. 6, 1906.

Loma de Bichique, 2000<sup>m</sup>, between Coritio & Tacuayo - Febr. 6, 1906

Loma de Bichique, between Coritio & Tacuayo - Febr. 6, 1906

Loma de Bichique, between Coritio and Tacuayo - Febr. 6, 1906



1465. *Rottboellia aurita* Steud.

Graminae

Loma de Bichique, 2000', between Coritio and Cacuyo. Febr. 6, 1906.

1466. *Erianthus Trinii* Hack.

Graminae

Loma de Bichique, 2000', between Coritio and Cacuyo. Febr. 6, 1906.

1467. *Trachypogon polymorphus* Hack.  
(*& Cynodon Humboldtianum* Fluegge).

Graminae

Loma de Bichique, 2000', between Coritio and Cacuyo. Febr. 6, 1906.

1468. *Muehlenbergia diotichophylla* (Presl.) Kth. Graminae  
near *Ptilini* Hack., but spikelets smaller

Loma de Bichique, 2000', between Coritio & Cacuyo. Febr. 6, 1906.

1469. *Andropogon brachiatus* Willd.

Graminae

Loma de Bichique, 2000', between Coritio & Cacuyo. Febr. 6, 1906.

1470. *Sporobolus brasiliensis* (Raddi) Hack.

Graminae

Loma de Bichique, 2000', between Coritio & Cacuyo. Febr. 6, 1906.

1471. *Erianthus Trinii* Hack.

Graminae

Loma de Bichique, 2000', between Coritio & Cacuyo. Febr. 6, 1906.

1472. *Cynodon plicatulum* Mich.

Graminae

Loma de Bichique, 2000', between Coritio & Cacuyo. Febr. 6, 1906.



1473. *Eragrostis airoides* Nees.

Graminae

1474. *Erianthus Crinii* Hack.

Graminae

1475. *Baccharis retusa* DC.

Compositae

Loma de Bichiqui, between Corribo' and Cacuyo', rio Palabasin, Curra  
Adentro (2000') - Febr. 6, 1906.

1476. *Planotia acuminatissima* Munro Graminae  
n.f. near *acuminatissima* Munro

Plantas, Paez Valley, Febr. 5, 1906.

1477

Leguminosae

Upper forest region. id.

1478. *Sapum*

Paez Valley, near Aguablanca.

n.v. mantequillo. The latex contains rubber, but it does not coagulate, re-  
maining with the consistency of a grease.

1479

n.v. te'

Paez Valley, near upper limit of forest. Febr. 5, 1906

1480. *Lypnocampylus*

Campanulaceae

Paez Valley, near Plantas and Aguablanca, Febr. 5, 1906.

n.v.: cacho bejico. Slight cuts on the stems give place to the bleeding of  
a white, very elastic rubber, but this is not extracted to any extent



1481

## Campanulaceae

R. Paez Valley, near Plantas - Febr. 1906.

1482 - *Caesalpinia tinctoria* (Smb.) Benth.

re corded

n.v. : guarango : pods used for dyeing the wool in black. (Infusion)

1483

Guacayo, 1700', Rio Palo Valley, Febr. 7, 1906.

Guacayo, 1700', Rio Palo Valley, Febr. 7, 1906. A vine?

1484 - *Gleome anomala* H.B.K.?

## Capparidaceae

Guacayo, 1700', Rio Palo Valley - Febr. 7, 1906. Common in cool places. Fl. pale yellow.

1485

## Rubiaceae

n.v. requetzi - Used as a dye (para untir); formerly the bark was ~~used~~ with the bark of *Guadua*.1486 - (*Planotia*) *nobilis* (Muñoz) Pilger.n.v. sobretana;

## Graminae

Guacayo, 1700', Rio Palo Valley. Febr. 7, 1906. A tree, with reddish foliage; white flowers, growing up to the end of the Huallilla &amp; S. Francisco valleys.

Rio Paez Valley, 1900-2400' - Febr. 5, 1906. Forming extensive thickets in forest. Stem 5.40, leaves 2.60, breadth 18. Spike 1.50. The stem was cut about 1' above the root, the lower part being also vertical.

1487 - *Pennisetum purpurascens* H. B. K.

## Graminae

Sabanas del Credo, 1400', R. Palo Valley, Febr. 8, 1906. In stony places

1488 - *Heteropogon contortus* (L.) R. & S.

## Graminae

Sabanas del Credo, 1200', R. Palo Valley - Febr. 8, 1906. On rocks.



1489. *Cordia eriostigma* Pittier n. sp.

Borraginaceae

Caso de la Bolsa, 1100', Cauca River. Febr. 9, 1906. A middle-sized tree, with round, depressed crown, covered with white, very odorous flowers, and thousands of bees, and other insects.

1490. *Aristolochia*

Cañas Gordas, 1100', near Cali. Febr. 10, 1906.

1491. *Orotea*

Lauraceae

Along Dagua R. near Venticias, Febr. 22, 1906. A medium sized tree, with broad, flattened crown and hanging limbs.

n.v. *jigua amarillo*

1492

Along Dagua R., near Venticias, Febr. 22, 1906. A small tree; fl. purple, with long stems.

1493. *Euphorbia*

Venticias del Dagua, Febr. 22, 1906. Red spot on bracts. Two forms or two species, one small, narrow-leaved in pastures, the other larger, broader-leaved in waste places.

1494. *Croton*

Venticias del Dagua, Febr. 22, 1906. Forms extensive bushes on arid slopes, etc.

1495. *Battneria* not in Herb

~~Sterculiaceae~~

Venticias del Dagua, Febr. 22, 1906. Apparently a bush or a bushy vine. Fl. greenish yellow.

1496. *Leptopia canescens* H. B. & K. (Pittier)  
*geminata* (Pittier)

Verbenaceae

Venticias del Dagua, Febr. 22, 1906. A bush, 1-1.50 high; fl. white.



1497. *Chloris*

Graminae

tierras del Dagua, , Febr. 22, 1906.

1498

Graminae

tierras del Dagua, , Febr. 22, 1906

1499

Myrtaceae

tierras del Dagua, , Febr. 22, 1906. A striking element of the small forest spots. Big tree; fl. white, numerous, but apparently opening only a few at a time.

1500. *Abutilon*

Malvaceae

tierras del Dagua, , Febr. 22, 1906. A shrub, about 2' high. Fl. small, pale. Only in bushes.

1501. *Croton*

n.v. amarquito. Infusion of leaves used as febrifuge.

tierras del Dagua, , Febr. 22, 1906. A shrub, like 1494, but with smaller leaves.

1502. *Echites trifida* Jacq.

Apocynaceae

tierras del Dagua, Febr. 23, 1906. A vine, on many rocks; fl. white.

1503. *Polystachys luteola* Hooker.

Orchidaceae

tierras del Dagua, , Febr. 23, 1906. Terrestrial; fl. white.

1504. *Peniflora foetida* L.

tierras del Dagua, , Febr. 23, 1906.



9215

9223



spec. num. - *Palicourea parviflora* Benth.  
= San Juan iron  
= Flor de S. Juan.

1098 - *Palicourea heterantha* Standley.

1099

876

1221

887

793

"

"

"

"

"

*popayanensis* Benth

?

*anomothyrsa* Schum. & S.

*undata* Jacq.



[Colombia]

1505.

n.v.

Lactaceae

Venticas del Jagua,

, Febr. 22, 1906. Fl. pink. (Phot. & descript.).

1506. *Pittonia Verschaffeltii* C. Coem.

Acanthaceae

Between Juntas & Peña,

Jagua Valley. Febr. 23, 1906. Fl. yellow.

1507. *Conostegia polyantha* Benth.

Melastomataceae

Buenaventura, Febr. 25, 1906. Low bush; fl. white.

1508. *Melasthia polystachya* (H.B.K.) Triana.

Sterculiaceae

Jamundé, Cauca Valley, 1000' - Jan. 11, 1906. Fl. pink

Pancho - Used in soap manufacturing.

1509. *Cacsonia mixta* Juss.?

Passifloraceae

Paramo de Buena Vista - Upper limit of forest. 3200'

1510. *Anona reticulata* L.

Anonaceae

Calé - Cultivated - Jan. 1906 - Phot.

n.v. chirimoya

1511. *Festuca amplissima* Rupr.

Graminae

Paramo de Miras, Febr. 3, 1906.

1512. *Lepidium bipinnatifidum* Desv.

Cruciferae

Cuesta de Cocotá - Dec. 1905.



1513. *Cardamine picta* Hook.

Cruciferae

Paramo de Miras - Febr. 1906 - Fl. purple.

1514. *Euphorbia*

Venticas de Dagua, 1000<sup>m</sup> - May be same as 1493, ~~this~~ one being the form grown on good earth, and the other (1514) on arid, washed down slopes. Febr. 25, 1906.

1515. *Evolvulus sericeus* Sw.

Convolvulaceae

Venticas del Dagua - 1000<sup>m</sup>; arid slopes - Febr. 25, 1906. Fl. blue, or white.

1516. *Nassella caespitosa* Griseb.

Graminae

Below Pitayo, R. Palo basin, Tierra Adentro. 2400<sup>m</sup>. Febr. 1906.

1517. *Agrostis perennans* (Vahl.) Link.

"

Around Huila, Tierra Adentro, 1800<sup>m</sup> - Jan. 1906.

1518. *Agrostis Schiedeana* Trin

"

Paramo de Miras, Tierra Adentro, 3400<sup>m</sup> - Febr. 1906.

1519. *Danthonia araucana* Phil

"

Paramo de Miras, Tierra Adentro, 3400<sup>m</sup> - Febr. 1906

1520. *Calamagrostis effusa* (H. B. K.) Steud.

"

Paramo de Miras, Tierra Adentro, 3400<sup>m</sup> - Febr. 1906



1521. *Calamagrostis coarctata* Steud.

Graminae

Paramo de Moras, Cuira Adentro - Febr. 1906.

" " " " "

1522. *Trisetum degenoides* HBK.

Graminae

Paramo de Moras, Cuira Adentro, 3400m - Febr. 1906.

1523. *Agrostis bicuspidata* Hack.

Graminae

Paramo de Moras, Cuira Adentro, 3400m - Febr. 1906.

1524. *Gynenium modestum* Doell.

Graminae

Paramo de Moras, Cuira Adentro, 3400m - Febr. 1906.

1526. *Oplismenus Humboldtianum* Pilg.

~~Oplismenus~~ *Humboldtianum*, Bar. Páez, L. Valley. Jan. 1906.  
Around Huila.

1527. *Arundinella pallida* Nees

Between Huila & Pitones, Cuira Adentro - Febr. 3<sup>d</sup> 1906

1528. *Chloris ciliata* Sw.

Graminae

Near C. tenax Nash., but leaves smaller & plant not quite so robust.

1529. *Bouteloua curtipendula* (Michx.) Torr.

1527 ??  
1528 ??  
Pentías del Dagua, Dagua Valley - 1000m - Jan. 22, 1906.



1530. *Paspalum Humboldtianum* Flugge. Graminae

Around Huila, Tierra Adentro, 1800m - Jan. 1906.

1531. *Scaevola*

*Balanophoraceae*

Near Frautas R., R. Paez Valley, Tierra Adentro, 2700m - Jan. 26. 06.

1525. *Paspalum Humboldtianum* Flugge

Loma de Bichiquí

1532.

*Elaphoglossum*

Paramo de Moras, between Mozoco & Pitayo - Febr. 1906.

1533. *Asplenium lunulatum* Auct. (an Sw.?)

Paramo de Buena Vista, Huila group - Jan. 1906.  
Upper forest zone

1534. *Gibouchea Lindeniana* Cogn. Melastomataceae

Around Huila, Tierra Adentro, 1000m - Jan. 1906.

1535.

*Melastomataceae*

Paramo de Buena Vista, Huila group - Jan. 1906

1536. *Spermacoce verticillata* L.

*Rubiaceae*

La Laguna near Palmira, Cauca Valley. Alt. 1300m -  
Jan. 1906. In savannas.



1537-

Leguminosae

Armed Huila, Tierra Adentro, 1800m - Jan. 1906.

1538 - *Agrostis pulchella* Kth.

Graminae

Paramo de Miras, Tierra Adentro, 3-3500m. Febr. 1906.

1539. *Paspalum monostachyum* (H.B.K.) Vasey. Graminae

La Esmeralda near Jamundi, Cauca, 1200m - Jan. 1906.

1726 - *Alchemilla nivalis* H.B. & K.

Rosaceae

Paramo de Miras, Tierra Adentro

1727. *Polypodium Funkii* Mett.

Polypodiaceae

Headwaters of rio Lopez. (this number also used in Panama)

See Panama and under  
unpublished



*Panama*  
( March 1906 )



1724 - *Cassia viridivirens* (C. undulata Benth.

Ancon Hill, near Quarantine Station, Panama - March 3, 1906.

1725 - *Passiflora foetida* L.

" " " " " " " " "

1726 - *Alchemilla sibbaldiaefolia* H.B. & K. - Rosaceae

Las Escaleretas, Moras Valley, 2500-3000m. (Colombia)

1727 - This number used in Panama

2075 - *Hirtella americana* L.

Rosaceae

Ancon Hill, near Quarantine Station, Panama  
March 3, 1906.

2076 - *Ocotea*

Lauraceae

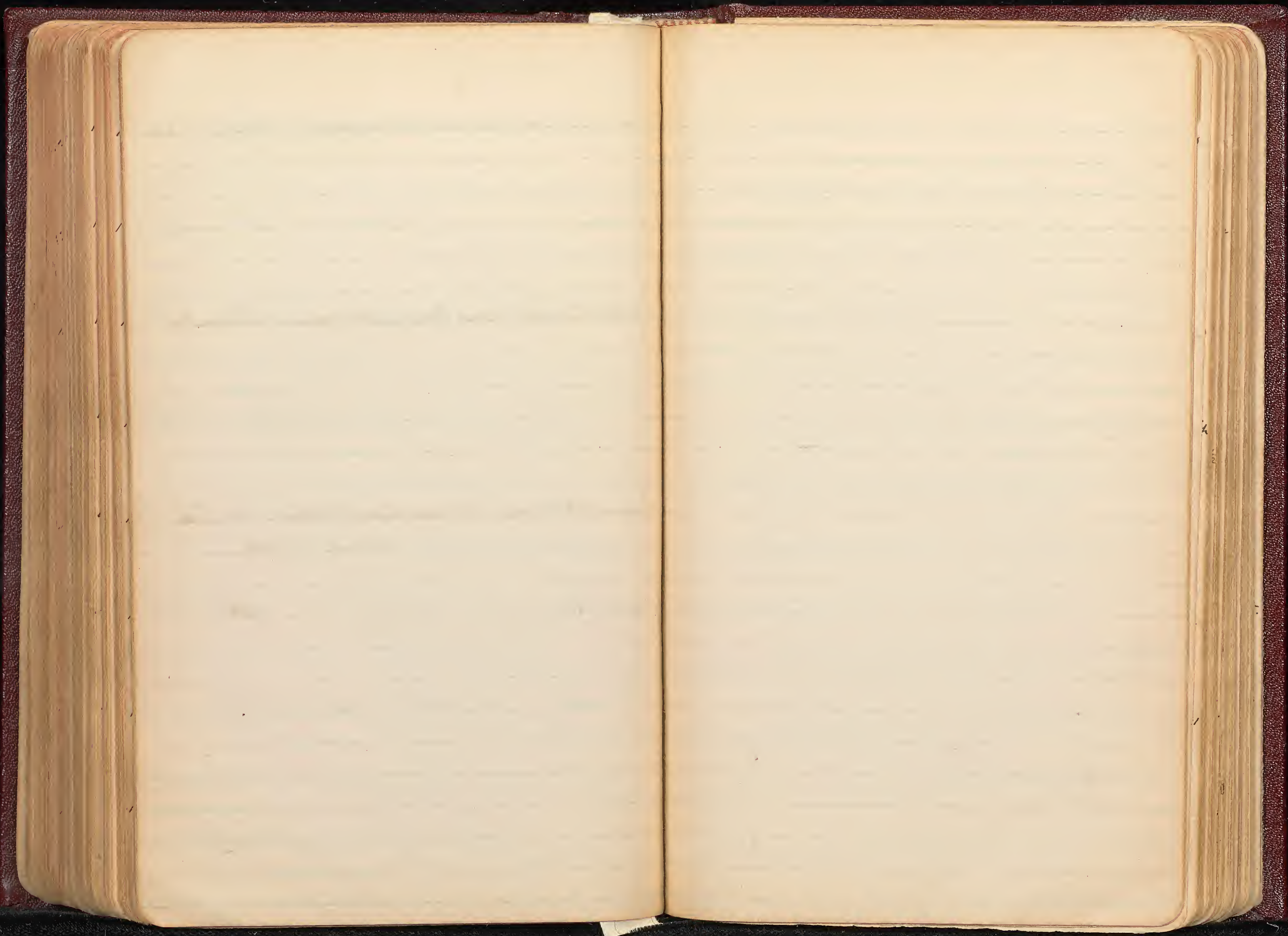
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6

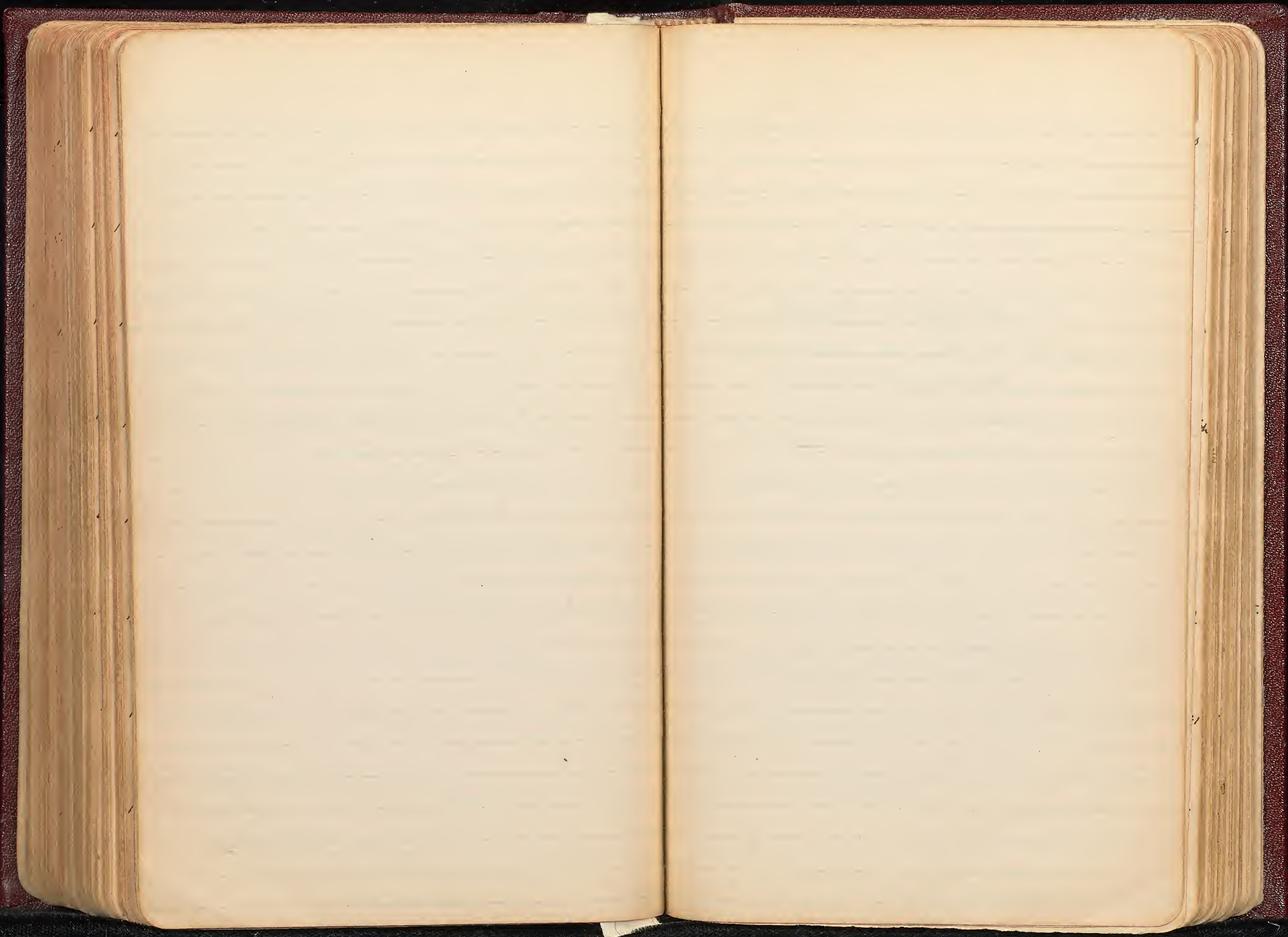
*Matayba scrobiculata* Radl.

Sapindaceae











Santa Marta

(Baranguilla - Rio Frio - San Andres)  
(June to August 1906)



1555. *Pacourina edulis* Aublet.

Compositae

1556. *Abutilon molleissimum* (Cav.) Sweet Malvaceae

1557. *Cordia alba* (Jacq.) Roem. & Schult.

n.v.: caujaro. = *C. dentata* Poir.

1558. *Cenchrus insularis* (L.) Chase Gramineae

= *C. echinatus* (L.)

1559. *Spilanthes urens* Jacq.

Compositae

1560. *Tribulus maximus* L.

*Kallstroemia*

1561. *Mollugo*

Utriculariaceae

1562.

Barranguilla in water-ditches. Ramous; fl. lilac. June 6<sup>th</sup> 1906.

Barranguilla; waste places. Ramous; fl. orange-yellow. June 6<sup>th</sup> 06.

Barranguilla, in pastures. Often cultivated in hedges in the town. June 7<sup>th</sup>.  
Small, medium sized tree; fl. yellowish white; fruits white, jelly like, when ripe.

Barranguilla, along roads. June 7<sup>th</sup> 1906

Barranguilla, along roads. June 7<sup>th</sup> 1906. Fl. purplish white, with deep purple anthers.

Barranguilla, along roads. June 7<sup>th</sup> 1906. Fl. yellowish. Patula.

Barranguilla, in waste places. June 7<sup>th</sup> 1906. Fl. white.

Barranguilla, in hedges. June 7<sup>th</sup> 1906. Small, crooked tree; fl. greenish, 4 pet. 4  
[?].



1563. *Marsdenia mollissima* Fournier.

*Asclepiadaceae*

Barranquilla in hedges. June 7<sup>th</sup> 1906. A vine; fl. with yellow tips <sup>cor.</sup> and purple center. Milky.

1564. *Rauwolfia*

1565. *Heliotropium Courroptia virgata* R. & P. ?

*Boraginaceae*

Barranquilla, along roads. June 7<sup>th</sup> 1906. Low bush; fl. small, white; fr. red.

1566. *Bursera*

Barranquilla, in waste places. June 7<sup>th</sup> 1906. Fl. white.

1567. *Manihot Peltieri* Pax & K. Hoffm.

*Euphorbiaceae*

Barranquilla, along roads. June 7<sup>th</sup>, 1906. Small tree, with depressed crown. *Chorus resin.*

1568.

*Malpighiaceae*

Barranquilla, along roads. June 7<sup>th</sup>, 1906. Apparently wild.

1569.

Barranquilla, along roads. June 7<sup>th</sup>, 1906. Fl. yellow.

1570.

Barranquilla, in shaded places along roads. June 7<sup>th</sup> 1906. Fl. pink, or light pink. Calyx 5, corolla 5, stam. many.



1571

1572

1573

1574 - *Rauwolfia canescens* L.

Apocynaceae.

Rio Frio, Magdalena, Col., in waste places. June 22, 1906. Low bush; fl. yellowish white; fr. red. - Milky, poison.

1575. *Aristolochia*

Rio Frio, Magdalena, Col., in bushes. June 22, 1906. Vine.

1576 - *Cayaponia*

Cucurbitaceae

Rio Frio, Magdalena, Col., in bushes. June 22, 1906. Vine; fl. numerous, yellowish white; male at base of racemes?

1577

n.v. hoja de nene. = ojo de nene

Sapindaceae

Rio Frio, Magdalena, Col.; common along river. June 22, 1906. Vine; racemose, fl. white; fr. red.

1578

Rio Frio, Magdalena, Col.; a weed in banana plantations. June 22, 1906. Odor fetid; fl. greenish;



1579.

1580. *Antephora hermaphrodita* (L.) Kunze (= *A. elegans* Schult.) Graminae

1581. *Paspalum conjugatum* Berg.

Graminae

1582. *Valota imularis* (L.) Chase

Graminae

n.v. ~~grassy~~ paja de zoro

1583. *Eragrostis ciliaris* (L.) Link.

Gramineae

1584. *Leptochloa mucronata* (Michx.) Kunth.

Graminae

1585. *Chaetochloa intertis geniculata* (Lour.) Scribn. & Men. Graminae

1586. *Paspalum paniculatum* L.

Graminae

Rio Frio, Magdalena, Col. June 22<sup>d</sup> 1906. Rhizophyte; on large, yellow flowered *Tribulus*; plant brown, in large tufts; corollae deep lilac.

Rio Frio, Magdalena, Col. June 22<sup>d</sup>.

Rio Frio, Magdalena, Col. June 22<sup>d</sup>.

Rio Frio, Magdalena, Col. June 23. Common in wet pastures; not eaten by cattle and considered as bad grass.

Rio Frio, Magdalena, Col. June 23. A weed in banana plantations.

Rio Frio, Magdalena, Col. June 23. Weed in plantations.

Rio Frio, Magdalena, Col. June 23. Weed in plantations.

Rio Frio, Magdalena, Col. June 23. Weed in plantations.



1587. *Desmodium*

1588. *Piper marginatum* Jacq. var. *catapirifolium* C. D.C.

1589. *Piper tuberculatum* Jacq. v. *obtusifolium* C. D.C.

1590. *Muntingia calabura* L.

1591. *Dorstenia Houstoni* L.

1592

1593. *Acalypha*

1594. *Tabernaemontana grandiflora* Jacq.

Rio Frio, Magdalena, Col. - June 23. In sunny places.

Rio Frio, Magdalena, Col. June 23. - A small tree

Rio Frio, Magdalena, Col. - June 23. - A small tree

*Tiliaceae*

Rio Frio, Magdalena, Col. - June 23. - A small, 5-6' tree. Fl. white; fr. red.

*Moraceae*

Quebrada Esperanza, near Rio Frio, Magdalena, Col. - June 24. Leaves more or less incised.

*Urticaceae*

Q. Esperanza near R. Frio, Magdalena, Col. - June 24. Bush.

*Euphorbiaceae*

Q. Esperanza near R. Frio, Magdalena, Col. - June 24. Bush.

*Apocynaceae*

Q. Esperanza near R. Frio, Magdalena, Col. - June 24. - A small tree; fl. pale yellow; fr. small.



1595. *Eugenia oblongifolia* Sagot.

n.v. guayabo de monte.

Myrtaceae

Q. Esperanza near R. Frio, Magdalena, Col. - June 24, 06 - Small tree, fl. white.

1596

n.v. jazmin de monte

Q. Esperanza near R. Frio, Magdalena, Col. - June 24, 06 - Low bush; fl. white

1597. *Paullinia hispidula* Jacq.

Sapindaceae

Q. Esperanza near R. Frio, Magdalena, Col. - June 24, 06 - Vine; fl. not seen.

1598.

Passifloraceae

Q. Esperanza near R. Frio, Magdalena, Col. - June 24, 06 -

1599

Near Sta Ana, R. Frio, Magdalena, Col. - June 26, 06 - Small tree.

1600. *Gomphium*

algodon mono

Near Sta Ana, R. Frio, Magdalena, Col. - June 26, 06 - Grows wild in waste places. Flowers large, pale yellow turning to red. Involucres small, open.

1601. *Melochia pyramidata* L.

revar

Sterculiaceae

Near Sta Ana, R. Frio, Magdalena, Col. - June 26, 06 - A shrub; fl. lilac.

1602. *Notylia stenoglossa* Schltr. sp. nov.

Orchidaceae

Near Sta Ana, R. Frio, Magdalena, Col. - June 26, 06 - Epiphytic; fl. yellow.



1603. *Gossypium*

Malvaceae

Near Sta Ana, Rio Frio, Magdalena, Col. - June 26, 06. No flowers; lint white; grass  
weld in dry belt.

1604. *Lycium*

Solanaceae

Near Sta Ana, R. Frio, Magdalena, Col. - June 26. 06. Low bush, or 3" high treelet  
in arid, sandy, alkali lands. Fl. white; berry red.

1605 *Bromelia*

Bromeliaceae

Near Sta Ana, R. Frio, Magdalena Col. - June 26. 06. Fl. yellow in long racemes.  
Phot.

n.v. piñuela

1606. *Loranthus. Phthirusa pauciflora* (Sw.).

Loranthaceae

Near Sta Ana, R. Frio, Magdalena Col. - June 26. 06. Epiphytic on *Acacia* sp.;  
berry red.

n.v. : caga de pájaro

1607. *Phoradendron tinivium* (Lam.) Nutt.)

Loranthaceae

Near Sta Ana, R. Frio, Magdalena, Col. - June 26. 06. - Epiphytic on Legumi-  
nous tree; fl. greenish; berries white, containing good rubber.

1608

Bromeliaceae

Near Sta Ana, R. Frio, Magdalena, Col. - June 26. 06. Epiphytic, common, fl. pink

1609. *Capparis cynophallophora* L.

Capparidaceae

Near Sta Ana, R. Frio, Magdalena, Col. - Small tree; fl. white; mar

n.v. arará; medic.

1610. *Panicum fasciculatum* Sw.

Gramineae

Near Sta Ana, R. Frio, Magdalena, Col. - First grass growing after felling the  
timber; eaten by cattle.

n.v. granadilla



1611. *Stemodia durantifolia* Sw.

n.v. pericon

1612. *Pithecolobium cognatum* Benth.

n.v. laurel.

1613.

1614. *Tribulus cistoides* L.

n.v. atrojo

1615. *Cayaponia Poeppigii* Cogn.

1616. *Gonolobus*

1617. *Panicum maximum* Jacq.

n.v. guinea

1618. *Lecythis elliptica* H. B. K.

n.v. olla de mono.

Zygophyllaceae

Cucurbitaceae

Asclepiadaceae

Gramineae

Lecythidaceae

El Collazo near R. Frio, Magdalena, Col. - June 26, 06. Low bush in alluvial  
lands; fl. white.

Rio Frio, Magdalena, Colombia - June 27. 06. On *Pithecolobium* (n.v. laurel).

Rio Frio, Magdalena, Colombia - June 27. 06. Fl. white; a weed in sunny  
places.

Rio Frio, Magdalena, Colombia - June 27. 06. Fl. yellow, large; characteristic  
of waste places all over the coast.

Rio Frio, Magdalena, Colombia - June 27. 06. Fl. yellowish white, large, caducous.

Rio Frio, Magdalena Colombia - June 27. 06. Fl. green, starlike.

Rio Frio, Magdalena, Colombia - June 29. 06. Common in bushes & pastures

Rio Frio, Magdalena, Colombia - June 29. 06. A small, 5-6 m high, slender  
tree.



1619.

Phaseolae

Rio Frio, Magdalena, Col. - June 30<sup>th</sup> 1906. Viny, creeper. Fl. yellow, small. Variety due to disease or accident, with very small leaves.

1620.

Apocynaceae

Arund Sevilla, Magdalena, Col. - July 4<sup>th</sup> 1906. A milky vine. Fl. in dense, axillary clusters; corolla pale green with purplish tinges.

1621. *Panicum trichoides* Sw. (= *P. brevifolium* var. det. Am. Dist.)

Graminae

Arund Sevilla, Magdalena, Col. - July 4, 1906.

n.v. granadilla de montaña

1622. *Cortus cylindricus* Roscoe

Arund Sevilla, Magdalena, Col. - July 4, 1906. Corolla large, flesh pink.

n.v. revienta-puerco

1623. *Renealmia occidentalis* (Swartz) Sweet - Zingiberaceae

Arund Sevilla, Magdalena, Col. - July 4, 1906. Grow in isolated clusters. Leaves and floral stems about 1.30; corollas yellow, young fr. purplish red.

n.v. revienta-puerco

1624

Arund Sevilla, Magdalena, Col. - July 4, 1906. Fl. white

1625. *Cyclopeltis semicordata* (Sw.) Schott.

Filices

Arund Sevilla, Magdalena, Col. - July 4, 1906. In woods.

1626

Filices

Arund Sevilla, Magdalena, Col. - July 4, 1906. In woods



1627 *Piper acuminatissimum* L. DC. v. *latifolium* Piperaceae  
n.v. cordoncillo. Used in toothache to calm pain.

1628 *Protium insigne* Engl. Burseraceae  
n.v. mangle de montaña

1629 Compositae

1630 *Anguria Sanctae Marthae* Pitt. sp. n. Cucurbitaceae

1631 *Psychotria hebeclada* DC. Rubiaceae

1632 *Hackelochloa granularis* (L.) Kunze Graminae  
(= *Manisuris granularis* Sw.)

1633 *Imperata caudata* Trin. Graminae  
n.v. guayacana

1634 *Ehrhria polydactyla* (L.) Sw. Graminae

Around Sevilla, Magdalena, Col. - July 4<sup>th</sup>. A low, 30-60 cm. shrub.

Around Sevilla, Magdalena, Col. - July 4, 1906. A small tree, 6-8 m. high, with  
rounded crown.

Around Sevilla, Magdalena, Col. - July 4, 1906. Common for dry places.

Around Sevilla, Magdalena, Col. - July 4, 1906. A vine with red flowers.

Around Sevilla, Magdalena, Col. - July 4, 1906. A common bush. Fl. white.

Around Sevilla, Magdalena, Col. July 4, 1906. Covers entire spots in dry pastures

Around Sevilla, Magdalena, Col. - July 4, 1906. Very bad grass, in dry pastures.  
Not eaten by cattle.

Around Sevilla, Magdalena, Col. - July 4, 1906.



1635. *Guilielma*

n.v. macana

Palmae

1636

n.v. palma amarga, o' chingale'.

1637. *Centropogon surinamensis* Presl.

Campanulaceae

S. Andrés de la Sierra, 1 " July 11, 1906. Fl. pink.

1638. *Saccoloma*

S. Andrés de la Sierra, 1 " July 11, 1906.

1639. *Peperomia platyphylla* C. DC.

an.: nín-gungu

S. Andrés de la Sierra, 1 " July 11, 1906. Cool, shady places

1640.

arrhuaco = mantsana size'

S. Andrés de la Sierra, 1 " July 12, 1906. Forest, sunny exposure

1641. *Piper aequale* Vahl.

an.

S. Andrés de la Sierra, 1 " July 12, 1906. Small tree

1642. *Palicourea mexicana* Benth.

Rubiaceae

an.: síndulli-kale'. El chupaflores como las flores

S. Andrés de la Sierra, 1 " July 12, 1906. Small tree, in sunny places of forest. Fl. orange yellow.



1643. *Goniophlebium*  
an. Klāguāla, kalaguāla

1644. *Trichomanes sinuatum* Desv.  
an. subāōi

1645. *Panicum procerimum* Hackel  
an. = kalāpitši-kalé

1646. *Parathesis crenulata* Hook. fil.  
an. = ulli-kiila (umida de pava?).

1647. *Parathesis crenulata* Hook. fil.  
an. = lūkua la'gutši

1648. *Sabicea Fendleri* Standley  
an. = nébellilé

~~1649~~

1649. *Isleria bracteata* Cav.  
an. = mundāma

~~1650~~

1650. *Panicum divaricatum* L.  
an. = kalé

Graminae

Myrsinaceae

Melastomataceae

Rubiaceae

Cyperaceae

Graminae

San Andrés de la Ceira, cateceras del R. Prió, 1 July  
Epiphytic. Feb. 12, 1906.

Epiphytic

In clearings; a tall, half climbing grass.

A small, 2-4 m. high, tree. Fl. pink.

A treelet, 3-4 m. high; fl. white; in clearings.

A vine; fl. white; only in sunny places.

Climbing on sunny bushes

Climbing on sunny bushes



1651. *Vismia*  
an. *kuivalli*

1652  
*šuku'ala*

Melastomat.

Indios de la Sierra, headwaters of R. Frio, July 12, 1906. A small tree.  
in. high; fl. whitish.

1653 *Piper eriopodum* b. Db.  
*gungu*

Piperaceae

bush; fl. white.

1654. *Piper umbellatum* L. v. *tormentellum* b. Db.  
*gungu*; Sta Maria: murcielago como la flor

Piperaceae

low bush in clearings.

1655  
*niba kale'*

Melastomat.

bush; fl. white; fr. black, edible

1656. *Stromanthe portiana* Griseb.  
*mitxu*

white

1657. *Cyperium sagittatum* (Ruhl.) Beauv. (*C. saccharoides* Gramineae  
H.B.K.)  
X *suza*: sp. caña boba

1658. *Biophytum*



16 1659. *Gossypium*  
an. amaco = mula

16 1660. *Drymaria gracilis* Cham. & Schl.  
uvellia Kalé'; uvellia Xalé'

16 1661. *Yucca elata* marginata  
an. : mionkéi úvi; maguey.

16 1662. *Lagenaria vulgaris* Ser.  
móngku; calabaza

16 1663. *Lablab Lablab* (L.)  
sp. caraota; an. Solichos Lablab L.

16 1664. *Cardiospermum Halicacabum* L. v. *microcarpum* Sapindaceae  
wasusi; the seeds wrapped or inserted in a thread, are placed around  
the wrist as a protection against diseases.

16 1665. *Bidens pilosa* L. var. *dubia* Cass.  
an. susé; sp. romerito

16 1666. *Coix Lacryma Jobi* L.  
an. : beláqulu

Liliaceae

Cucurbitaceae

Leguminosae

Compositae

Graminae

San Andrés de la Sierra, 1, cabeceras de Río Frio, July 12<sup>th</sup>, 1906.  
Cultivated;

A weed.

Semi-cultivated

Grows spontaneously, but always in clearings near dwellings; fl. white

Semi-cultivated;

San Andrés de la Sierra, cabeceras del Río Frio, July 12, 1906.

Only around houses



16:1667

an. melia; flowers are eaten by the Indians

Commelinaceae. Andrés de la Sierra, headwaters of Rio Frio, 1<sup>m</sup> - July 12<sup>th</sup> 1906

16:1668- *Goniophlebium*

an. kardu-linko

Epiphytic; also on roofs and stones.

16:1669

te'-kalé

Compositae

A weed; fl. yellow.

16:1670- *Gnaphalium*

kele'-butó

Compositae

16:1671- *Centropogon surinamensis* Presl.

niuk-ia kalé

Campanulaceae

San Andrés de la Sierra, headwaters of Rio Frio, July 12, 1906

Fl. white; in wet, shady forest

16:1672- *Piper asperulibacuum* C. D. C.

gungu

Piperaceae

San Andrés de la Sierra, headwaters of Rio Frio, July 12, 1906

16:1673-

nóbonku

A milky vine

16:1674- *Euterpe*?

Stem 10-12<sup>m</sup>; sheath 75 cm.; midrib lower palm 2.70; greater breadth 1<sup>m</sup> 10. Spadix, length of main stem 72. Base of spathe 42 cm.



16 1675. *Schizaea*

a

16 1676. *Vayria Lophaimos oreophila* Standley

16 1677. *Psychotria patens* Sw.

Rubiaceae

San Andres de la Sierra, headwaters of R. Frio, 1 July 14<sup>th</sup>, 1906.

San Andres de la Sierra, headwaters of Rio Frio, July 14, 1906.  
Arboreal, fl. white. San O

16 1678. *Anaxetum crassifolium* (L.) Schott.

Polypodiaceae

Epiphytic

16 1679. *Campyloneurum*

Polypodiaceae

Epiphytic

16 1680. *Claphoglossum*

Epiphytic

16 1681. *Polypodium*

Epiphytic

16 1682

Lichen

Corticole



16 1683 - Vittaria

an

16 1684

Melastomataceae

Small tree, 3-4<sup>m</sup> high; fl. white

16 1685

Melastomataceae

A middle sized, 8-10<sup>m</sup> high, tree; fl. pink.

16 1686 - *Polypodium*

Tree fern.

16 1687 - *Oplismenus pteropus* Kaulf.

Epiphytic

16 1688 - *Hymenophyllum*

Epiphytic

16 1689

In damp gorge

16 1690 - *Piper borucanum* C. D. C.

Piperaceae

Along roadside del Bollo, trail to S. Andrés, 1000<sup>m</sup> alt., July 17, 1906.

A treelet.



16 1691  
anh.: Rùgela  
an

Lauraceae

Between Q. del Bollo y Platanal; trail to S. Andrés, m. - July 17<sup>th</sup> 1906.  
A small tree

16 1692 - Dichromena Pittieri Standley.  
anh. sinisigalain

Cyperaceae

16 1693 - Weddellia caracasana B.  
anh. sinisigalain

Compositae

A bush, 1-2<sup>m</sup> high.

16 1694 - Boccoloba  
hiacila

A low tree

16 1695 - Mendoncia  
Ruigetau

A vine; fl. white, with purple spots

16 1696 - Anemia  
Raxine'

16 1697  
samne

Araceae

El Platanal

16 1698 - Trema micrantha Blume  
surla'

Ulmaceae

El Platanal, on the trail from Río Frio to San Andrés de la Sierra,  
July 17, 1906.



16 1699- *Posoqueria latifolia* R. & Sch.  
ni sukeža

Rubiaceae Higher part of trail to S. Andrés de la Sierra,  
Characteristic; a small tree.

July 17<sup>th</sup>, 1906.

16 1700- *Olyra latifolia* L.  
x Ruizi

Graminae

Climbing among bushes

16 1701- *Sclerophylla volubilis* (Kunth) J. M.  
mantsana?

Climbing

16 1702- *Lycopodium taxifolium* Sw.  
mantsana!

16 1703  
sin-na

A middle sized tree; fl. white

16 1704- *Microstylis hastilabia* Rehb. f.

Orchidaceae

Terrestrial, fl. green

16 1705- *Coccothraustes canescens* Willd.  
as Kuxalé

Rubiaceae

Fl. & fr. blue; a low weed

16 1706- *Ageratum conyzoides* L. var. *inaequipaleaceum* Hieron. Compositae  
Kala-sámne

San Andrés de la Sierra, cañones del R. Pío.

Common weed

July 17<sup>th</sup>, 1906.



16 1707 - *Phymatodes perenosum* (Lam.)

Polypodaceae

S. Andrés de la Sierra, cabeceras del R. Frio -

July 17<sup>th</sup> 1906.

2

16 1708 - *Epidendrum*

Orchidaceae

*Kalkarlixain*

Epiphytic; fl. purplish green

16 1709 - *Hedyosmum*

*maliniza*

A small tree.

16 1710 - *Selaginella*

*deradilla*.

16 1711 - *Brechites valerianae-folia* (Wolf) Dec.

Compositae

San Andrés de la Sierra, cabeceras del Río Frio, 1200m. July 17, 1906.

A weed.

1 1712

Bromeliaceae

Between El Bollo & Quebrada Rodriguez, trail to S. Andrés,

July 17<sup>th</sup> 1906

Fl. orange red.

1 1713 - *Ordisia turbacensis* H.B. & K.

A small tree; fl. white

1 1714 - *Polygala americana* Mill.

Polygalaceae

Lower hills on trail from Río Frio to S. Andrés de la Sierra, alt ± 400m.

Fl. yellowish white



1715. *Wedelia caracasana* DC.

Compositae

Lower hills, trail from Q. Rodriguez to el Bollo.

July 17<sup>th</sup> 1906.

1716. *Eupatorium ircoinoide* H. B. K.

Compositae

climbing; fl. yellowish white

1717

Creole, 2<sup>m</sup> high.

1718. *Bauhinia*

A thorny shrub, common on the hills.

1719. *Bursera*

A low tree, characteristic of the lower hills.

1720. *Bursera*

A medium sized tree, exoriating.

1721. *Rondeletia Purdiei* Hook.

Rubiaceae

A low bush; fl. pinkish white.

1722. *Byrsoneima*

A low tree; fl. yellow.



11 1723- *Jatropha* *transp.* 1723

Lower hills around Rio Frio. A small tree, characteristic of the dry belt.

11 2076- *Luffa acutangula* *vide* *Cucurbitaceae*

In meadows around rio Frio. July 1906-1906

11 2077- *Trichomanes sphenoides* Kze?

Around San Andres de la Sierra, July 1906. (in Herb. Nat.).

6'  
1 6505- *Helicteres* <sup>*carthagenensis*</sup> ~~*signata*~~ *Sterculiaceae*

Lower hills on the trail from Rio Frio to San Andres de la Sierra;  
alt. about 300 m.; fl. July 17, 1906.



1723 - *Jatropha*

for number vide panama

*Canthium* *guttatum* *guttatum*

Central - America

( Guatemala - Honduras - Salvador - Costa Rica -

December 1906 - April 1907.

Guatemala

Decemb



1729. *Stenolobium stans* Geem.

Bignoniaceae

N.v.: chacté' (Zacapa); flor or palo, de Concepcion (Quastetoya Valley);  
chante' (Zacapa);

1730. *Phaseolus truxillensis* H.B.K.

Leguminosae

1731

Leguminosae

1732

1732 *Calopogonium caeruleum* Desv.

Leguminosae

1733. *Cordia rotundifolia* R. & P.

Verbenaceae

N.v.: jupái. Fruits white, jelly-like; eaten by children and used as glue.

N.v.: tigüilot (Nahuizalco).

1734 a. *Pisonia aculeata* L.

Nyctagynaceae

1734 b. *Boldoa ovatifolia* Lag.

" "

1735. *Ipomoea* (3 *Leiocalyx*)

Convolvulaceae

1736. *Cayaponia attenuata* Cogn.

Cucurbitaceae

<sup>200m.</sup>  
Bushes and hedges around Zacapa. Small tree.

Hedges around Zacapa, 200m. 27. XII. 1906. A vine. Fl. large, brownish purple.

Hedges around Zacapa, 200m. 27. XII. 1906. A treelet, 2-3m. high. Fl. pale lilac.

Hedges around Zacapa, 200m. 27. XII. 1906. A vine. Fl. purplish blue.

Pastures and hedges around Zacapa, 200m. 27. XII. 1906. A tree with rounded, diffuse crown, about 6-8m. high. Fl. yellow. Fr. white, jellylike.

Waste places around Zacapa, 200m. 27. XII. 1906. About 1m. high, the whole plant glabrous. Fl. yellow.

Hedges around Zacapa, 200m. 27. XII. 1906. Fl. yellowish white; deep purple at bottom inside.

Hedges around Zacapa, 200m. 27. XII. 1906. A vine. Fl. pale yellow.



1737. *Aristolochia anguicida* L.

n.v. : (Nahuizalco) = quaco

Aristolochiaceae.

Hedges around Zacapa, 200 m., 27. XII, 1906. Fl. small, greenish, longitudinally striped with purple; ligula purple, with a yellow spot at base.

1738 *Clitoria ternatea* L.

Leguminosae

Hedges around Zacapa, 200 m., 27. XII. 1906. A vine, fl. <sup>deep</sup> azure blue.

1739. *Baccharis glutinosa* Pers.

Compositae

Along Zacapa River, 180 m. 28. XII. 1906. A treelet, 2-4 m. high.

1740. *Piptadenia patens* Benth.?

Mimosae

Hedges around Zacapa, 200 m. 28. XII, 1906. A vine; fl. yellowish white

n.v. : zarza?

1741. *Eriogonum ciliato-glandulosum* Art.

Euphorbiaceae

Waste places along roads, around Zacapa, 200 m. 28. XII. 1906. A weed.

1742. *Heliotropium parviflorum* L.

Borraginaceae

Waste places along roads, around Zacapa, 200 m. 28. XII. 1906. Fl. white.

1743. *Melanthera hastata* Michx.

Compositae

Banks of Zacapa R., below R.R. Station, 180 m. 28. XII. 1906. Coarse leaves; fl. white, with purple woolly tube.

1744. *Merremia dissecta* Hallier f. (Hallier det.).

Convolvulaceae

Banks of Zacapa R. below R.R. Station, 180 m. 28. XII. 1906. Fl. white, with purplish streaks inside. Closes at sunrise.



Hedges and pastures around Zacapa; characteristic - 200 m., 28. XII. 1906. A tree with low trunk and profuse limbs, sometimes a bush. Not over 8-10 m.

Hedges and bushes around Zacapa, 200 m. - 28. XII, 1906. Leaves apparently entire or lobulate. Fl. small, pink.

Hedges around Zacapa, 200m. 28. XII. 1906 - at tree 4-5m. high.

Hedges around Zaca, 2000. 28. VII. 1906. A vine; l. white.

Hedges and bushes around Zacepa, 200m. 28. XII, 1906. A bush, with long flexible limbs.

N. v. sogon. Infusion of flowers used as refreshing drink.

n.v.: (Tzalcā) = aritulo; (Nahuizalco) = arito. <sup>de la</sup> <sup>palabra</sup> <sup>mayas</sup> arit es

Both hedges and bushes around Zacapa, 200m. 28. XII, 1906. Fl. open at 10h.  
30m., closed later in.

Rocky slopes at El Obraje, between Quasatoya & Sanarate, 600 m. - 29. III. 1906.

Rocky slopes of the Guastatoya Valley, 600m. - 29. XII. 1906. - Stems 1.5-2.0 m.  
woody, leafless. White involueral leaflets, white and green flowers. - Characteristic of the thinly timbered slopes.

N. v.: flor de Pascua (Quartatoya); tabaquillo (Zacapa); ~~Reduced to~~  
ashes that are used in soap manufacture.



1753. *Callaum nicaraguense* (Jr. & Aub.) Small Malpighiaceae

El Ohrajé, 600 m., Guastatoya Valley. 29. XII. 1906. A vine: fl. yellow.

1754. *Physalis porphyrophylla* Don. Sm. Solanaceae  
N.v.: tomate de culebra

Around Zacapa, 200 m., in hedges. 31. XII. 1906. A treelet, 2-3 m. high. Involucres purplish: fruits orange yellow.

1755. *Eragrostis megastachya* (Koeber) Link. Gramineae

Around Zacapa, 200 m. - 31. XII. 1906.

1756. *Eragrostis ciliaris* (L.) Link. Gramineae

Around Zacapa, 200 m. 31. XII. 1906.

1757. *Dactyloctenium aegyptium* (L.) Willd. Gramineae

Around Zacapa, 200 m. 31. XII. 1906.

1758. *Tridax procumbens* L. Compositae.

Around Zacapa, 200 m. 31. XII. 1906. Creeping. Fl. orange yellow.

1759. *Plumbago scandens* L. Plumbaginaceae.

Around Zacapa, 200 m. - 31. XII. 1906. Fl. white.

1760. *Euphorbia hypericifolia* L. Euphorbiaceae

Around Zacapa, 200 m. 31. XII. 1906. The whole plant dark green, with reddish stems.



1761

1762 - *Ipomoea intrapilosa* Rose. (Hallier det.). Convolvulaceae

1763 - *Cassia biflora* L.

Caesalpiniaceae

1764 - *Pisonia*

Combretaceae

1765 - *Jacquinia pungens* A. Gray

Theophrastaceae

N.v.: luruche (lurito). Fruits used as barbasco, the stupefy fish.

1766 *Caesalpinia exostemma* Mez. & Sesse.

N.v. Caromo o' gallito.

1767 - *Merremia umbellata* G.W. Mey. v. *umbellata* Hallier f. Convolvulaceae

1768 - *Mikania scandens* L.

Compositae

Around Zacapa, 200 m., 31. XII. 1906. Fl. small, <sup>orange-yellow</sup> pink. The whole plant viscid.

Around Zacapa, 200 m. 31. XII. 1906. A woody vine, with white, bright flowers, growing on bushes.

Around Zacapa, 200 m., 31. XII. 1906; in bushes and pastures. Bushy, 3-4 m. high; fl. golden yellow.

Around Zacapa, 200 m. 31. XII. 1906; in dry savannas and bushes. A treelet, 2-3 m. high.

Around Zacapa, 200 m. 31. XII. 1906. In dry savannas and bushes. A small tree, 2-3 m. high, evergreen.

Around Zacapa, 200 m. 31. XII. 1906. In hedges. A small tree, 2 m. high, with flat crown.

Around Zacapa, 200 m., 22. XII. 1906. In hedges - Fl. yellow.

Around Zacapa, 200 m. 2. I. 1907. In hedges. Climbing; fl. white



1769. *Pluchea odorata* Cass.

Compositae

Around Zacapa, 200m., 2.I.07, in bushes. In bushes, 2-2.50m. high; fl. light purple.

1770. *Lippia nodiflora* (L.) Michx.

Verbenaceae

Around Zacapa, 200m. - 2.I.07; on sandy beaches along river. Fl. pink.

1771. *Solanum torvum* Sw.

Solanaceae

Around Zacapa, 200m. - 2.I.07, on river beaches. A bush, 1-2m. high. Fl. white.

1772. *Waltheria americana* L. ?

Sterculiaceae

Around Zacapa, 200m. - 2.I.07, in dry places. Fl. yellow.

1773. *Hydrolea spinosa* L.

Borraginaceae

Around Zacapa, 200m. - 2.I.07, on sandy river beaches. Fl. azure.

1774. *Jussiaea erecta* L.

Onagraceae

Around Zacapa, 200m. - 2.I.07, in wet places. Fl. yellow. (petals carnos).

1775. *Eragrostis hypnoides* (Lam.) B. & P.

Gramineae

Around Zacapa, 200m. 2.I.07, on sandy beaches.

1776. *Stemodia durantifolia* Sw.

~~Scrophulariaceae~~  
Scrophulariaceae

Around Zacapa, 200m. 2.I.07, on river banks. Plant viscos; fl. white.



1777. *Phaseolus atropurpureus* Moq. & Sesse' Phaseolaceae

Around Zacapa, 200m., 2. I. 1907, on river banks. Trailing; fl. deep purple.

1778. *Rhynchosia minima* D.C.

Fabaceae

Around Zacapa, 200m., 2. I. 1907, on river banks. Trailing; fl. yellow.

1779. *Bouchea Ehrenbergi* Cham.

Verbenaceae

Around Zacapa, 200m., 2. I. 07, on river beaches. Fl. purple.

1780

Leguminosae

Around Zacapa, 200m., 2. I. 07, on river banks. Fl. purple.

1781. *Paullinia tomentosa* Jacq.

Sapindaceae

Around Zacapa, 200m., 2. I. 07; in hedges. A vine, fl. white.

1782. *Antigonon cinerascens* Mart. & Gal.

N.v.: bejeco de San Miguel (Zacapa)

Near Gualán, m. 5. I. 1906. A vine; fl. pink.

1783. *Lagascea maveolens* H. D. K.

Compositae

Bedral de Gualán, m. 5. I. 1906. Stems erect, 1-1.5 m. high. Characteristic of the hilly dry region between Gualán & Copan.

1784. *Combretum Warszewiczianum* Eichl. Combretaceae

N.v.: bejeco de Chumpipiré

Bedral de Gualán, m. 5. I. 1906. A vine, 2-3 m. high; fl. yellow, in large bunches. Characteristic of the whole region.

"*C. Warszewiczianum* vero ab omnibus, praeter *C. erianthum* Benth., indumento aberrat e lepidibus simul et pube tomentosa niato, quum ab *erianthum* Benth., nec tomento crebriore, ut in illo." Eichl., Fl. Bras. 14<sup>2</sup>: 110.

Facile distinguatur calycis forma et lepidibus inter indumentum praevaleantibus, nec tomento crebriore, ut in illo." Eichl., Fl. Bras. 14<sup>2</sup>: 110.



1785.

Compositae

El Cedral de Gualan, m., 5. I. 1907. Fl. white.

1786. *Ardisia ramiflora* Vest.  
Nv. sirasi

Myrsinaceae

Los Jutes de Gualan, m. 5. I. 1907. Treelet; fl. pinkish white.

1787. *Panicum lanatum* Sm. (not Rott.).

Gramineae

Piedra Blanca de Gualan, 700 m. 5. I. 1907. Trailing on bushes.

1788. *Casipalium Haplophorum* R. & S.

Gramineae

Piedra Blanca de Gualan, 700 m., 5. I. 1907. Trailing.

1789. *Quercus citrifolia* Liebm.

Fagaceae

El Ajillal de Benizas, 600 m. - 6. I. 1907. Tree with broad, flat  
lvs.

1790. *Hypericopsis Calycophyllum candidissimum* D.C. Rubiaceae  
Nv. salamo (Copan).

Benizas, 600 m. - 6. I. 07. A tree characteristic of deep, rocky  
gorges in the valleys of the Piafra and Sta. Lucia R.

1791. *Calea axillaris* D.C.

Compositae

Rollarito, valley of Sta Lucia, 6. I. 1907. Fl. yellow.

1792. *Beloperone ramulosa* Merr.

Scrophulariaceae

Rollarito, valley of Sta Lucia, 6. I. 1907. Fl. purplish pink.



1793

No.: Panecito (Capan).

Malvaceae

Peixha',

m., valley of Sta Lucia, 6. I. 07. A small tree.

1794. *Serjania caracasana* Willd.

Sapindaceae

El Rollam,

m., valley of Sta Lucia, 6. I. 07. A vine, fl. white

1795. *Chaetochloa purpurascens* (H.B.K.) Link. Gramineae

Peixha',

m., valley of Sta Lucia, 6. I. 07. A weed in field

1796. *Curatella scorzoneraefolia* Benth.

Fridaceae

Peixha',

m., valley of Sta Lucia, 6. I. 07. A weed in field

1797. *Stemodia peduncularis* Benth.

Scrophulariaceae

Peixha',

m., valley of Sta Lucia, 6. I. 07. A ~~herb~~ looking plant, ramose, corolla yellow and purplish blue streaked at base; purplish blue at upper end.1798. *Wissadula spicata* (H.B.K.) Presl.

Ciliaceae

Peixha',

m., valley of Sta Lucia, 6. I. 07. Very long spikes with small, yellow flowers.

1799. *Ocalypha*

Euphorbiaceae

Peixha',

m., valley of Sta Lucia, 6. I. 07. A low weed.

1800. *Panicum strigosum* Muhl.

Gramineae

Quinta de Peixha',

m., valley of Sta Lucia, 7. I. 07.



1801. *Erotalaria*

Leguminosae

Cuesta de Peixha', J. I. 07. - On hills, in pine forests.

1802.

Leguminosae

Cuesta de Peixha', m. - J. I. 07. - On pine hills. Fl. pink.

1803.

Leguminosae

Cuesta de Peixha', m. - J. I. 07. - On pine hills.

1804. *Fimbristylis diphylla* Vahl.

Cyperaceae

Cuesta de Peixha', m. - J. I. 07. - On pine hills.

1805. *Panicum campylostachyum* Hack.

Graminae

Cuesta de Peixha', m. - J. I. 07. - On pine hills.

1805a. *Panicum tenue* Muhl.

1806. *Panicum campylostachyum* Hack.

Graminae

Cuesta de Peixha', m. - J. I. 07.

1806a. *Chaetochloa imberbis* ( ) Scribn.

1807. *Monotropa coccinea* Zucc.

Pyrolaceae

Taguaini', m. - J. I. 07. - Probably parasitic on pine roots. Petals and stigma white. Rest of plant pink.

1808.

Compositae

Taguaini', m. - J. I. 07. - Fl. lilac.



1809

Compositae

Altos de Tagaaini, m. - J. I. 1907. In and pine forests.

1810. *Triumfetta speciosa* Lem.

Bellioaceae

Tagaaini, 900 m. J. I. 07. A treelet, 2-3 m. high. fl. pink.

1811. *Salvia amarissima* Brt

Labiatae

Tagaaini, 900 m. J. I. 07. Fl. azure.

1812

Bumeliaceae

Chaguiton, m., headwaters of Zacapa R. - J. I. 07. Fl. deep blue.  
Epiphytic on pines.

1813. *Rhynchospora*

Cyperaceae

Moors on Chaguiton hills, m. - J. I. 07.

1814. *Pinguicula*

Moors on Chaguiton hills, m. - J. I. 07. Fl. white

1815

Primulaceae

Moors on Chaguiton hills, m. - J. I. 07. Diminute; fl. pink

1816

Utricularia

Moors on Chaguiton hills, m. - J. I. 07. Fl. yellow.



1817.

Musci

El Jute

1818. *Quercus citrifolia* Liebm.

Fagaceae

El Jute

1819. *Pisonia aculeata* L.

N.v. Huele de noche; bejuco Ugenio

Combretaceae

Paso de Telha', valley of Copan, 550m., 11. I. 07. A small, thorny tree.  
Fr. green.

1820

Compositae

Paso de Telha', valley of Copan, 550m., 11. I. 07.

1821. *Aster spinosus* Benth.

Compositae

Paso de Telha', valley of Copan, 550m., 11. I. 07.

1822. *Pinus oocarpa* Schiede.

Coniferae

Hills between Telha' and Comotan, 700m., 11. I. 07.

1823. *Abutilon*

Malvaceae

<sup>13. I. 07.</sup>  
Between Jocotan & Jumuona, 600m.. A small tree; petals purple  
at base, pale yellow at tips.

1824. *Jacquinia pungens* A. Gray.

N.v. lurids, mata-peje

Orchidaceae?

Between Jumuona & Zaca, 300m., 14. I. 07. A small tree; fl. red.



Honduras



1825.

Cereanthaceae

Cordoneillo, along the Agua fria. J. I. 07. - Viny treelet.

1826. *Brassavola glauca* Lindl.  
Lirio de monte

Orchidaceae  
Orchidaceae

Llano de la Puerta, on oaks. J. I. 07. Fl. yellowish white

1827. *Calea axillaris* DC.  
n.v. Comodo negro

Compositae

Llano de la Puerta, m., near Copan. J. I. 07.

1828. *Cacabus hondurensis* Donn. Smith

Papilionatae

Llano de la Puerta, m., near Copan. J. I. 07.  
Llano de la Puerta, m., near Copan. S. I. 07. Fl. white.

1829. *Perezia nudicaulis* Gray.

Compositae

Hacienda Grande, near Copan, 800m., S. I. 07. Fl. white.

1830. *Calea axillaris* DC.

Compositae

Hacienda Grande, near Copan, 800m., S. I. 07.

1831. *Lantana strigosa* Griseb.

Verbenaceae

Piedra pintada, near Copan, 700m., S. I. 07. Fl. white.

1832

Compositae

Copan, 600m. S. I. 07.

1832<sup>a</sup>. *Paspalum lepharophorum* R. & S. - Graminae.



1833. *Euphorbia leucocephala* Lotz.

Euphorbiaceae

Copan, 600m., in dry bushes. 8. I. 07. like 1752.

1834. *Solanum verticillifolium* L.

Solanaceae

Copan, 600m., 8. I. 07. Small tree; fl. white.

1835

Compositae.

Copan, 600m. 9. I. 07. Common along river. Fl. lilac-blue.

1836. *Abutilon peruviale* Don.

Malvaceae

Copan 600m. 9. I. 07. 1-2m. high; fl. orange yellow.

1837. *Durstonia Haenkei* Lott.

Miraceae

Copan, 600m. 9. I. 07. On the ruins.

Roots used in manufacture of native cigars.

1838

Compositae

Copan, 600m. 9. I. 07.

1838a. *Sclerocarpus Schiedeana* Benth. & Hook.

1839. *Cassia leiophylla* Vog.

Leguminosae

Copan, 600m. 9. I. 07.

1840 *Senecio*

Compositae

Between Copan & Hacienda Grande, 700m. 10. I. 07. Lvs. fl. yellow.



1841. *Ottobappus curviflorus* Hemsl.

Compositae

Between Copan & Hacienda Grande, 10. I. 07.

1842. *Hyptis polystachya* H.B.K.

Labiatae

Between Copan & Hacienda Grande, 10. I. 07.

1843. *Lida urens* L.

Malvaceae

Between Copan & Hacienda Grande, 10. I. 07.

1844. *Anemia*

Fern.

Hills of Hacienda Grande, 800m, 10. I. 07.

1845. *Carosela domingensis* D.C.

Fabaceae

Hills of Hacienda Grande, 800m, 10. I. 07.

1846

Rubiaceae

Hills of Hacienda Grande, 800m, 10. I. 07. Fl. ~~pink~~ white.

1846a. *Bouvardia leiantha* Benth.

1847. *Casipalium* (caespitosum Flüggé)  
arenarium Schrad.

Gramineae

Hills of Hacienda Grande, 800m, 10. I. 07.

Small shrub

1848. *Erigeron jamaicensis* Sw.

Compositae

Hills of Hacienda Grande, 800m, 10. I. 07. Fl. white.



1849. *Euphorbia cymoides* L.

Euphorbiaceae

Hills of Hacienda Grande, 800m., 10. I. 07.

1850. *Euphorbia ciliato-glandulosa* Ort.

Euphorbiaceae

Hills of Hacienda Grande, 800m. 10. I. 07.

1851

Between Llano de la Puerta & El Salto, 10. I. 07.

1852. *Lamoureauxia cordata* Cham. & Schl.

Lamoureauxiaceae

Between Llano de la Puerta & El Salto, 10. I. 07.

1853. *Viguiera helianthoides* H. B. K.

Compositae

Between Llano de la Puerta & El Salto, 10. I. 07.

1854. *Gymnoloma scaberrima* (Benth.) Juncum.

Compositae

Between Llano de la Puerta & El Salto, 10. I. 07.

1855. *Lippia callicarpaeifolia* C. & L.

Verbenaceae

Between Llano de la Puerta & El Salto, 10. I. 07.

1856. *Senecio*

Compositae

Between Llano de la Puerta & El Salto, 10. I. 07.



Guatemala



1857. *Guayacan guatemalensis* Planch. Rutaceae  
n.v. guayacan

1858. *Rivea corymbosa* Hell. fil. (Hallier det) Convolvulaceae  
n.v. bejuco de ajo

1859. *Ipomoea* (<sup>3</sup>*Briospennum*) Convolvulaceae  
n.v. tucumuscuago or tupupuscuago, tutumuscuago

1860. *Parmentiera edulis* HB. Bignoniaceae  
n.v. cuajilote

1861. *Garcia nutans* Rohr. Euphorbiaceae  
n.v. huevo de gato, coim de gato

1862. *Piper*

1863. *Ipomoea murucoides* R. & Sch.  
n.v. siete pellejos; tutumuste;

1864. *Anthurium scandens* Lenz. var. *violaceum* Lenz. Araceae

Near Zacapa, on the road to Chiquimula, 2500' - 19. I. 1907. A characteristic tree of the region, generally of low trunk and flat crown. Fl. azure blue.

San José' Arada, m., 20. I. 1907. A vine; corolla white, inside of tube purple. Strong garlic smell. Common from Chiquimula to El Pate.

(*Ipomoea* of Miquia?)

San José' Arada, m., 20. I. 1907. A tree; trunk up to 30 cm. diam. 2-3 m. high; flat crown, limbs ending vine like; no leaves when flowering. Characteristic.

San José' Arada, m., 20. I. 1907. A small tree; seem to be only under cultivation.

Near San José' Arada, m., 21. I. 1907. A small tree.

Near La Rosa, m., 21. I. 1907. A bush, the only *Piper* seen in the dry region.

El Pate, m., 22. I. 1907. A low bush, seems distinct of n° 1859. N.v.

Volcan de Izapa, 1... m., 22. I. 1907. Epiphytic.



1865. *Wittania campyloneurum angustifolium* (Sw.) Fee.

Volcan de Ispala, 1500 m., around the crater lake, epiphytic - 22° I. 1907.

1866. *Polypodium Skinneri* Hook.

Volcan de Ispala, 1500 m., around the crater lake, epiphytic - 22° I. 1907.

1867. *Cheilanthes angusta* H. & B.

Volcan de Ispala, 1500 m., around the crater lake, epiphytic - 22° I. 1907.

1868

Compositae

n.v.: bejuco de culebra

Volcan de Ispala, 1500 m., upper slopes - 22° I. 1907. A viny bush; fl. purplish white.

1869. *Quercus*

Volcan de Ispala, 1500 m., around the crater lake - 22° I. 1907. A large tree.

1870. *Stelis hymenantha* Schltr.

Orchidaceae

Volcan de Ispala, 1500 m., epiphytic around the crater lake - 22° I. 1907. Fl.

pink yellow.

1871. *Adiantum*

Volcan de Ispala, 1500 m., on stones around the crater lake - 22° I. 1907.

n.v.: culantrillo

1872. *Begonia*

Volcan de Ispala, 1500 m., epiphytic around the crater lake, 22° I. 1907.

Hoja de sal (Nabuilungo)



1873. *Asplenium pumilum* Sw.

1874. *Nectandra sinuata* Mez

n.v.: aguacate de mico.

Lauraceae

1875. *Lippia myriocephala* Cham. & Schl. Verbenaceae

n.v.: tatascamite. Fine wood, used to make the tool for tempering the lime-made machetes.

1876. *Peperomia San-joseana* C. DC.

1877. *Rhynchostegium callistomum* Besch.

*Thuidium involvens* (Hedw.) Mitt.

Musci

1878. *Entodon complicatus* Mitt.

Musci

1879. *Racomitrium tomentosum* (Sw.) Brid.

*Pilotrichella cochlearifolia* (C. M.) Besch.

*Mittenothamnium Langedorfii* (Hook.) Cardot.

Musci

1880

Volcan de Izala, 1500 m., on stones around the water lake, 22. I. 1907.

Volcan de Izala, 1500 m., around the water lake, 22. I. 1907. A large tree; fl. white.

Volcan de Izala, 1500 m., on the upper slopes. 22. I. 1907. A small tree.

Volcan de Izala, 1500 m., epiphytic around the water lake, 22. I. 1907.

Volcan de Izala, 1500 m., on stones around the water lake, 22. I. 1907.

Volcan de Izala, 1500 m., on stones and roots around the water lake - 22. I. 1907.

Volcan de Izala, 1... m. epiphytic around the water lake. 22. I. 1907.



1881. *Vernonia leiocarpa* D.C.

n.v.: palito de negro.

Compositae

Volcan de Ispala, 1... m., on the upper slopes. 22. I. 1907. Small bush.

1882. *Salvia lophantha* Benth.

n.v.: chichinquaste

Labiatae

Volcan de Ispala, 1... m., upper slopes. 22. I. 1907. Fl. deep blue

1883. *Stellaria ovata* Willd.

Alsinaceae

Volcan de Ispala, 1... m., damp places, upper slopes. 22. I. 1907.

1884. *Onoda acerifolia* DC.

Volcan de Ispala, 1... m., upper slopes. 22. I. 1907. Fl. purplish blue.

1885. *Melanthera hastata* Michx.

n.v.: botoncillo de montaña.

Compositae

Volcan de Ispala, 1... m., upper slopes. 22. I. 1907. Fl. white

1886

Compositae

Volcan de Ispala, 1700 m., upper slopes. 22. I. 1907. Fl. yellow. small tree

n.v.: palo de guilete. Tender sprouts eaten as a vegetable

n.v.: (Izalco) = papelillo.

1887. *Salvia purpurea* Cav.

n.v.: chichinquaste

Labiatae

Volcan de Ispala, 1... m., upper slopes. 22. I. 1907. Fl. pink.

1888. *Lobelia laxiflora* H. B. & K. v. *rigidula*

n.v.: meona

Campanulaceae

El Pasto, m., volcan de Ispala. 22. I. 1907. Fl. red.; characteristic



1889. *Castilleja communis* Benth.

Scrophulariace.

H. Pante,

m., volcan de Izala, 22. I. 1907.

1890. *Cassia*

n.v.: escoba

H. Pante,

m., volcan de Izala, 22. I. 1907. A common bush.

1891. *Aggeratum myzoides* L.

Compositae

H. Pante,

m. volcan de Izala, 22. I. 1907. A common weed.

n.v. mejorana - sudorific

1892

Compositae

H. Pante,

m., volcan de Izala, 22. I. 1907. Very bushy; fl. pale

n.v.: Sto. Domingo, used together with land to cause the abortion  
of abscesses, without their bursting out.

yellow.

1893 *Piper*

Concepcion, 800 m., Chiquimula. 24. I. 1907

1894. *Cissampelos Caepeba* L.

Menispermaceae

Concepcion, 800 m., Chiquimula. 24. I. 1907.

n.v.: chanchito. Leaves used instead of nap

1895. *Boehmeria caudata* L.

Urticaceae

Concepcion, 800 m., Chiquimula, 24. I. 1907.

1896. *Heliotropium parviflorum* L.

Borraginaceae

Concepcion, 800 m., Chiquimula, 24. I. 1907.

n.v. Flor de alacran



1897. *Ruellia megasphaera* Lindl.

Acanthaceae

El Guanacaste, road to Metapan, ... m., 24. I. 1907. Fl. pink.

1898. *Dyschoriste bilabiata* (Seem.) O. K.

Acanthaceae

Julumichapa, ... m. road from Tzala to Comapion, 23. I. 1907.  
Fl. blue.

1899. *Licania arborea* Lemann

Rosaceae

n.v. roble blanco

Valley of Tz'iatu', road to Metapan, 900 m., 24. I. 1907. A large tree.

1900. *Sloanea quadrivalvis* Oerst.

Elaeocarpaceae

n.v. terciopelo

Valley of Tz'iatu', road to Metapan, 900 m., 24. I. 1907. A medium sized tree.

1901. *Salvia hispanica* L.

Labiatae

Valley of Tz'iatu', road to Metapan, 900 m. 24. I. 07. Fl. white



El Salvador



1902.

n.v.: jocotillo

1903. *Platymiscium* <sup>parvillanum</sup> ~~fasciculatum~~ Pitt. Leguminosae.

n.v.: granadillo

(bn Zacapa = cachimbo, malpais)

1904. *Comostegia aalapensis* J. Sm.

Melastomataceae

n.v.: sirin

1905. *Cardiospermum grandiflorum* Lx. Sapindaceae

1906. *Perymenium strigillosum* Greenm. <sup>ann</sup> Compositae

n.v. tatascame - A fine hard wood, much used in building houses and fences, and also by the engravers.

1907. *Lippia myrocephala* Cham. & Schl. Verbenaceae

n.v.: tamayagca

1908

Compositae

1909. *Verbena polystachya* H. B. K.

Verbenaceae

N.v. Hierba de San Silvestre

El Desagüe, 440 m., Laguna de Quíja, 25. I. 1907. Small tree

El Desagüe, 440 m., Laguna de Quíja, 25. I. 1907. Medium sized tree, no leaves.

Amatepeque near San Salvador, 1100 m. - 2. II. 07. A small tree; fl. pinkish white, or pale pink.

Amatepeque near San Salvador, 1100 m. - 2. II. 07. A vine; fl. white.

Amatepeque near San Salvador, 1100 m. - 2. II. 07. A tree, 8-14 m. high; fl. yellow.

Amatepeque near San Salvador, 1100 m. - 2. II. 07. A small tree, characteristic of the forests of the upper region. Fl. yellowish white.

Amatepeque near San Salvador, 1100 m. - 2. II. 07.

Amatepeque near San Salvador, 1100 m. Around houses - 2. II. 07. If not a distinct *Verbena*, at least a very well characterized variety of *V. litto-*  
*ralis*.



1910. *Calea integrifolia* DC.

Compositae

N.v.: simincontra

1911. *Senecio kermexinus* Hemsl.

Compositae

N.v.: Hierba de San Juan - Infusion used to cure the itch, in connection with zanzapilla.

1912. *Solanum Toroum* Sw.

Solanaceae

N.v. Navaplate; the infusion of the root, mixed with epagote is used against colic; the dust of the dried plant to cure wounds.

1913. *Indigofera mucronata* Spreng.

Fabaceae

N.v.: casampulga

1914. *Stigmaphyllon periplocaefolium* A. Juss. Malpighiaceae

1915. *Gossypium*

1916. *Kickxia*

1917. *Syderoxylum martichodendron* Jacq. Sapotaceae

N.v. Cempisque; (Nahuilingo) saguaia.

Amatepeque, near San Salvador, 1100m. - 2.II.07.

Amatepeque, near San Salvador, 1100m. 2.II.07. A vine, abundant in bushes all over the country.

Amatepeque near San Salvador, 1100m. - 2.II.07. A bush. fl. white in racemes, one flowering at a time.

Amatepeque near San Salvador, 1100m. - 2.II.07. Brailing; fl. tile red.

Amatepeque near San Salvador, 1100m. - 2.II.07. A vine.

La Laguna near Sta Cecilia, Febr. 6, 1907. Cultivated; fl. yellow.

La Laguna near Sta Cecilia, Febr. 6, 1907. Cultivated.

La Laguna near Sta Cecilia, Febr. 6, 1907. A medium sized tree. Fl. yellowish white.



1918- *Gossypium*

1919- *Gossypium*

1920- *Gossypium*

1921- *Sclerocarpus divaricatus* Benth. & Hook. Compositae

1922- *Oxalis - Lotoxalis tephrodes* Turcz. Oxalidaceae.  
n.v. - jocoteillo

1923- *Asclepias longicornu* Benth. Asclepiadaceae

n.v.: matacoyotillo: used by the Indian women to kill their husbands or  
lovers, when dissatisfied with them.

1924-

Leguminosae

1925- *Gossypium*

Algodón de riñón?

Garden of Junta de Agricultura, San Salvador, 680m. - Febr. 10, 1907.  
Cultivated. Tree cotton - Fl. yellow.

Garden of Junta de Agricultura, S. Salvador, 680m. - Febr. 10, 1907.  
Tree cotton - Fl. yellow.

Around the buildings of Agricultural School, Izalco, 200m., near  
San Salvador, Febr. 14, 1907. - Fl. pale yellow, or yellowish white

School of Agriculture near Izalco, 200m., Febr. 14, 1907.

Around Agricultural School, near Izalco, 200m. - Febr. 14, 1907. - Fl.  
yellowish white

Around Agricultural School, near Izalco, 200m. Febr. 14, 1907  
Fl. white

Around Agricultural School near Izalco, 200m. Febr. 14, 1907.  
Fl. purple. Stems 1<sup>m</sup> 50 high

Around Agricultural School near Izalco, 200m. - Febr. 14, 1907. Fl.  
pale yellow.



1926. *Mirabilis violacea* (Loefl.) Hermsl. *B. parviflora* Nyctagynaceae

Around Agricultural School, Tzaco, 450m., Febr. 14, 1907. Fl. pink

1927. *Vernonia Deppeana* Less.

Compositae

n.v. Soquinai (Nahuizalco).

Around Agricultural School, Tzaco, 450m. Febr. 14, 1907

1928. *Inga spuria* Humb. & Bonpl.

n.v. : pepetillo (Tzaco); Rusi-tsitsin (Nahuizalco) - Pulp  
around seeds edible

Around Agricultural School, Tzaco, 450m. Febr. 14, 1907. Medium  
sized tree.

1929. *Capparis amygdalina* Lam.

Capparidaceae

n.v. : palo del cabro

Around Agricultural School, Tzaco, 450m., Febr. 14, 1907. Small  
tree; fl. white.

1930. *Erythrina carnea* Ait.

Papilionaceae

n.v. : pito (El Salvador); pitsa (Nahuizalco) - Infusion of  
flowers is a stupefying narcotic; Infusion of bark gives a fine  
green color, with which Indians dye, or used to dye, their clothes.

Around Agricultural School, Tzaco, 450m. Febr. 14, 1907. In  
hedges.

1931.

n.v. : barnehornos, pan blanco, quita-calzmes; tsiguispana  
m'horno (Nahuizalco);

Around Agricultural School, Tzaco, 450m., Febr. 14, 1907. A  
middle-sized tree.

1932. *Lonchocarpus guatemalensis* Benth.

Papilionaceae

n.v. : sangre de churcho (Nahmat i Rua-u-pelo)

Near Nahuizalco, 550m., Febr. 16, 1907. A large tree, flowering  
when leafless. Fl. purple.

1933. *Pithecolobium dulce* Benth.

n.v. : quachimole

Nahuizalco, 550m., Febr. 16, 1907. A tree; fl. white



1934- *Chevetia neriifolia* A. Juss.

Apocynaceae

n.v.: chilindron - milk used to cure toothache.

1935- *Parmentiera edulis* D.B.

Bignoniaceae

n.v.: palasak cabro? : cuajilote

1936- *Tabernaemontana Donnell-Smithii* Rose

Apocynaceae

n.v.: huevos de puerco

1937- *Melanthera hastata* Michx.

Compositae

1938- *Lantana Camara* L.

Verbenaceae

n.v.: cinco negritos

1939- *Salvia occidentalis* Sw.

Labiatae

n.v. Cansayule or cansayule; tansayule

1940 *Notylia*

Orchidaceae

1941- *Lippia asperifolia* Rich.

Verbenaceae

Nalmizalco, 550m., Febr. 16, 1907. A treelet. Fl. yellow with black tips.

Ozalco, School of Agriculture, 450m. Febr. 17, 1907. A tree, 8m. high. Fl. yellowish white.

Around Zalco, 450m. Febr. 17, 1907. A treelet; fl. yellow.

Around Zalco, 450m. Febr. 17, 1907. Fl. white

Around Zalco, 450m. Febr. 17, 1907.

Around Zalco, 450m., Febr. 17, 1907. Fl. azure.

Paraganta de Beniza, 400m., in Cresentia. Febr. 17, 1907. Fl. greenish.

Around Zalco, 450m. Febr. 17, 1907. Fl. greenish yellow. A bush.



1942. *Tectaria*

Fern

Garganta de Beniza, near Zalco, 400m. - Febr. 17, 1907.

1943. *Dryopteris litigiosa* (Liebm.) C. Chr.

Fern

Garganta de Beniza, near Zalco, 400m. Febr. 17, 1907.

1944. *Odontonema strictum* (Nes) O. K.

Canthaceae

Garganta de Beniza, near Zalco, 400m. - Febr. 17, 1907. Fl. brick red.

1945

Meleostomataceae

Garganta de Beniza, near Zalco, 400m. - Febr. 17, 1907. The whole plant purplish. Fl. purplish pink.

1946

Fungus

Garganta de Beniza, near Zalco, 400m. - Febr. 17, 1907. On Fresno?

1947. *Adiantum*

Garganta de Beniza, near Zalco, 400m. - Febr. 17, 1907.

1948. *Gymnolomia nutlexurva* Benth & H. f.

Compositae

Garganta de Beniza, near Zalco, 400m. - Febr. 17, 1907.

1949. *Parniflora coriacea* Juss.

Parnifloraceae

Garganta de Beniza, near Zalco, 400m. - Febr. 17, 1907.

n.v. hierba del murciélago



1950

Compositae

Garganta de Ceniza, near Tzaleco, 400 m. - Febr. 17, 1907.

1951. *Cattleya Skinneri* Batem.

Orchidaceae

Garganta de Ceniza, near Tzaleco, 400 m. - Febr. 17, 1907.

1952. *Laelia Johniana* Schltr.

Orchidaceae

Garganta de Ceniza, near Tzaleco, 400 m. - Febr. 17, 1907.

1953. *Cassipoua foetida* L.

Cassipouaceae

Around Tzaleco, 450 m. Febr. 17, 1907.

1954. *Solanum verbascifolium* L.

Solanaceae

Above Tzaleco, 600 m. - Febr. 18, 1907. Small tree. Fl. white.

n.v. Tapalayote

1955. ~~Megacaulis~~ *Croton niveus* Jacq. - Euphorbiaceae

Foot of Tzaleco Volcano, 1000 m. Febr. 18, 1907. Small tree.

n.v. : Colpachi

1956. *Peltostigma pentaphyllum* Donn. Sm.

Rutaceae

Foot of Tzaleco Volcano, 800 m. Febr. 18, 1907. Small tree, Fl. yellow.

n.v. : duraznillo

1957

n.v. : uña de gato?

Foot of Tzaleco Volcano, 800 m. - Febr. 18, 1907. Small tree. Fl. purple.



1958.

Solanaceae

Foot of Izalco Volcano,  $\pm 800$  m. - Febr. 18, 1907. A treelet. Fl. white.

1959. *Eupatorium populifolium* H.B.K.

Compositae

Foot of Izalco Volcano,  $\pm 800$  m. - Febr. 18, 1907. A treelet. Fl. white.

1960. *Panicum maximum* Jacq.

Graminae

Cultivated around Izalco, 450 m. - Febr. 18, 1907.

1961. *Pennisetum mexicanum* (Fourn.) Hemsl.

Graminae

Around Izalco, 450 m. Febr. 18, 1907.

1962. *Piper salvadorensis* C.D. Piperaceae

Above Izalco, 600 m. - Febr. 18, 1907.

1963

"

"

Piperaceae

Above Izalco, 600 m. Febr. 18, 1907.

1964

Annonaceae

Above Izalco, 500 m. Febr. 18, 1907. A medium-sized tree.

n.v. : chulumugo; nahuat = itsumimico

1965.

n.v. mano de león

Near Izalco, 400 m. Febr. 21, 1907. Medium sized tree. Fl. yellowish white on green receptaculum. Dimorphic leaves.



1966. *Passiflora foetida* L.

n.v. : Granadilla satanera

1967. *Ruellia megasphaera* Lindau

Acanthaceae

Nahuizalco, 550m. - Febr. 21, 1907.

Nahuizalco, 550m. Febr. 21, 1907. Fl. pink.

1968. *Trenine celosioides* L.

n.v. comida de chumpipi

Nahuizalco, 550m. - Febr. 21, 1907. Small tree.

1969. *Cassia Fistula* L.

n.v. caña

Caesalpinaceae

Nahuizalco, 550m. Febr. 21, 1907. A medium sized tree, with rather flat crown and beautifully flowered. Fl. bright yellow.

1970. *Jacobinia macrantha* (Nees) Benth.

n.v. : tinta

Acanthaceae

Arund Tzaco, 470m. Febr. 22, 1907. A bush.

1971. *Ruellia humifusa* (Aubl.) Hemsl.

Acanthaceae

Arund Tzaco, 470m. Febr. 22, 1907. Common along tracks and roads. Fl. pale purple.

1972. *Euphorbia pilulifera* L.

Euphorbiaceae

Arund Tzaco, 470m. Febr. 22, 1907. A weed. fl. white.

1973.

n.v. lepico de siraca

Bignoniaceae

Arund Tzaco, 600m. Febr. 25, 1907. A vine; fl. bright yellow.



1974. Liza

n.v. cujiniquil - Fr. edible. Used as shade in coffee plantations

1975. Liza

n.v.: guamo: used as shade in coffee plantations.

1976. *Tithonia tagetiflora* Desf.

n.v. vara de ascao

Compositae

Atre Tzalco, 800 m. - Febr. 25, 1907. Common weed in fields.  
Fl. bright yellow.

1977

n.v.: Cataixte macho

Lauraceae

Febr. 25, 1907. A medium sized tree.

Atre Tzalco

1978. *Eupatorium crassirameum* Rob.

n.v. papelillo.

Compositae

Atre Tzalco, Febr. 25, 1907. A bush, leafless when flowering.  
Fl. white.

1979. *Fresia nigra* Ulené & Bray.

Amaranthaceae

Atre Tzalco, 800 m. - Febr. 25, 1907. A treelet.

1980. *Gisonia*

n.v. quachimole

Combretaceae

Foot of V. Tzalco, 1000 m. Febr. 25, 1907. A spiny bush.

1981

n.v. manzanillo de montaña

Foot of V. Tzalco, 1000 m. Febr. 25, 1907. A treelet loaded with  
pink fruits.



1982. *Bletia*

Orchidaceae

Foot of V. Izalco, 1100 m., Febr. 25, 1907. Fl. pink; leafless.

1983. *Clethra*

Foot of V. Izalco, 1100 m., Febr. 25, 1907. A small tree, characteristic of the immediate foot of volcano. Fl. white.

1984. *Cupatrimm populifolium* H.B.K.

Compositae

Foot of V. Izalco, 1100 m., Febr. 25, 1907. A bush. Fl. white.

1985. *Cecropia mexicana* Hemsl.

Urticaceae

Foot of V. Izalco, 1000 m., Febr. 25, 1907. A tree.

n.v.: quarumo

1986.

Asclepiadaceae

Foot of V. Izalco, 1000 m., Febr. 25, 1907. Among volcanic stones. Fl. dark red.

1987. *Cuphea utriculosa* Koehne.

Lythraceae

Around Izalco, 500 m., in brooks. Febr. 26, 1907.

1988. *Bauhinia*

n.v. pie de cabra

Near Juayúa, m., Febr. 27, 1907. A small tree; fl. pinkish white.

1989. *Zanthoxylum culantrillo* H.B.K.

Rutaceae

Near Juayúa, m., Febr. 27, 1907. A treelet; fl. yellowish green.



1990. *Inga laurina* Willd.

Mimosaceae Near Juayúa, 1470 m., Febr. 27, 1907. A large tree

1991. *Guarea*

Meliaceae Near Juayúa, 1470 m., Febr. 27, 1907. A medium sized tree.

1992. *Viburnum glabratum* H. B. & K.

Caprifoliaceae San Juan de Dios, 1470 m. Febr. 27, 1907. Medium sized tree; fl. white

1993. *Senecio salignus* D.C.

Compositae San Juan de Dios 1470 m.. Febr. 27, 1907. A golden flowered bush.

1994. *Erotia xalapensis* H. B. & K.

Euphorbiaceae San Juan de Dios 1470 m.. Febr. 27, 1907. A small tree.

1995. *Fuchsia microphylla* H. B. & K. ?

Onagraceae San Juan de Dios, 1470 m. Febr. 27, 1907. A treelet

1996. (*Polypodium*) *Cleopeltis angusta* H. & B.

Polypodiaceae San Juan de Dios, 1470 m.. Febr. 27, 1907. Epiphytic.

1997. *Senecio Petalites* DC.

Compositae San Juan de Dios, 1470 m.. Febr. 27, 1907. Fl. yellow.



1998. *Lycaste cruenta* Lindl.

Orchidaceae

Above the ausoles, Ahuachapán, m. Febr. 27, 1907. Fl. golden yellow. Epiphytic.

1999. *Nectandra Heydeana* Mez & Donn-sm.

Lauraceae

Above the ausoles, Ahuachapán, m. Febr. 27, 1907. A large tree. Fl. white.

2000. *Rhamnus capraefolia* Schlecht

Rhamnaceae

San Juan de Dios, m. Febr. 27, 1907. A small tree. Fl. greenish.

2001

San Juan de Dios, m., Febr. 27, 1907. A bush.

2002. *Saurauia*

n.v. Pataiste macho

San Juan de Dios, 1470 m., Febr. 27, 1907. A small tree; fl. white.

2003. *Crataeva gynandra* L.

Cappariaceae

n.v. granadilla de monte

Near the ausoles, Ahuachapán, m., Febr. 27, 1907. A small tree.

2004. *Vernonia lispensis* Cuat. Compositae

Paneca, m.; Febr. 28, 1907. Medium sized tree.

2005. *Vernonia leiocarpa* DC.

Compositae

Paneca, 1460 m., Febr. 28, 1907.



2006. *Citharexylum villosum* Jacq.

n.v. Chorrito

Verbenaceae

Apaneca, 1460 m., Febr. 28, 1907. A medium sized tree

2007. *Gymnoloma platylepis* A. Gray.

n.v. : mirasol

Compositae

Apaneca, 1460 m. Febr. 28, 1907.

2008. *Lippia umbellata* Cav.

Verbenaceae

Apaneca, 1460 m. Febr. 28, 1907.

2009. *Cania*

Apaneca, 1460 m. Febr. 28, 1907

2010. *Lopezia ramosa* Cav.

Apaneca, 1460 m. Febr. 28, 1907.

2011. *Castilla*

Moraceae

Vicinity of Jalco, 400-600 m. - Febr. 1907

2012. *Prestonia macrocarpa* Hemsl.

Apocynaceae

Vicinity of Jalco, 400-600 m. - Febr. 1907.

2013. *Maba*

~~Ebenaceae~~

Vicinity of Jalco, 4-600 m. - Febr. 25, 1907. A small tree, 4-6 m. high.

2057. *Drepanocarpus inundatus* Mart.

Rubiaceae

Foot of Volc Sta Ana, 1000 m. a small tree



Costa Rica

March. 1907.



2014. *Begonia*

2015. *Aerostichum aureum* L.

2016. *Anapausia aliena* (Sw.) Presl.

2017. *Adiantum*

2018. *Adiantum trapeziforme* L.

2019. *Pteris grandifolia* L.

2020. *Cyclopetis semicordata* (Sw.) J. Sm.

2021. *Adiantum tenerum* Sw. ?

*Write Birley for data*

Gorges of Machuca River, near San Mateo, 50-200 m. Jan. 1907. P. Birley.

Gorges of Machuca R., near San Mateo; 50-200 m. Jan. 1907. P. Birley

Gorges of Machuca R., near San Mateo; 50-200 m. Jan. 1907. P. Birley

Gorges of Machuca R. near San Mateo; 50-200 m. Jan. 1907. P. Birley

Gorges of Machuca R., near San Mateo; 50-200 m. Jan. 1907. P. B.

Gorges of Machuca River, near San Mateo, 50-200 m. Jan. 1907. P. B.

Gorges of Machuca River, near San Mateo, 50-200 m. Jan. 1907.

P. B.



2022. *Galphimia glauca* Cav. ~~herb.~~ Malpighiaceae

N.v. Gotas de oro

2023. *Sapota Zapotilla* Bville Sapotaceae

N.v. nispero

2024. *Conocarpus erectus* Verb

N.v.: mariguito

2025. *Sterculia cartagenensis*

N.v.: Panamá; seeds edible; said to be effective in the cure of epileptic fits.

2026. *Rhizophora rhizophorae* Pl. & Tr.

N.v.: mangle pinuela

2027. *Phyllanthus distichus* Muell. Arg.

N.v.: grosella; fr. acidulate, edible Euphorbiaceae

2028. *Coccoloba* Polygonaceae

N.v.: carros calientes; fr. edible, slightly acidulate

2029. *Princiana pulcherrima* Sw. Gesneriaceae

N.v.: Hoja de sen. Medic.: ~~cathartic~~ purgative

Esparita, near Puntarenas, 50m. A small tree, cultivated - P.B.

Esparita, near Puntarenas, 50m. A 10-15m. high tree. Febr. 1907. P.B.

Sandy beaches in Puntarenas; 0m. - Febr. 1907. Treelet. P. Birdley

Puntarenas, 0-10m. - Febr. 1907. A corpulent tree, 10-15m. high. P.B.

Puntarenas, on muddy and sandy beaches. Jan. 1907. Without adventitious roots at base. Trunk warty at base.

Puntarenas; (cultivated?) - Jan. 1907.

P.B.

Esparita; alt. 50m. - Tree 15-20m. high. - Febr. 1907 - P. Birdley

Puntarenas, Gulf of Nicoya, Febr. 1907. A spiny treelet, 2-3m. high.



2030. *Chrysobalanus Icaco* L.

Icaco, purple variety

2031. *Moringa moringa* (L.) Willd. ~~paup.~~

N.v. Marango. Med.: Infusion of the leaf used for baths in cases of inflammatory diseases of bladder.

2032. *Metternichia Weikleei*

2033

Eriaceae

Puntarenas, on sandy beaches. Jan. 1907

Puntarenas; alt. 0 m. - A tree, 4-5 m. high.

Epiphytic and terrestrial. San José, from a plant brought from La Palma in 1902. - March. 1907.

2034

Myrtaceae

Volcan de Poás, 2600 m.; epiphytic. March 31st. 1907

Volcan de Poás, 2600 m. March 31, 1907. Small tree?

2035. *Bomarea acutifolia* Herb.

Volcan de Poás, 2600 m. March 31, 1907.

2036

Volcan de Poás, 2600 m. - March 31, 1907. A small tree

2037. *Guaiadendron tagua* (H.B.K.) Don

Loranthaceae

Volcan de Poás, 2600 m. March 31, 1907. Fl. bright yellow.



2038. *Liphocampylus thissanopetalus* Vahl. Campanulaceae Volcan de Poás, 2600m.; March 31, 1907.
2039. *Liphocampylus discolor* Donn-sm. Campanulaceae Volcan de Poás, 2600m.; March 31, 1907. Fl. yellowish white.
2040. *Hufelandia ovalis* Blake. Lauraceae Volcan de Poás, 2300m.; March 31, 1907. A middle sized tree.
2041. *Senecio bandelariae* Benth. Compositae Volcan de Poás, 2600m. March 31, 1907.
2042. Compositae Volcan de Poás, 2600m. March 31, 1907. Fl. sulphur yellow.
2043. *Calauina berpedini* Br. & Blanch. Magnoliaceae Volcan de Poás, 2300m. March 31, 1907. A large tree.
2044. *Ardisia cuneata* H. B. K. Myrsinaceae Volcan de Poás, 2600m. March 31, 1907. A treelet
2045. *Liphocampylus Regelii* Vahl. Campanulaceae Volcan de Poás, 2600m. March 31, 1907.



2046. *Miconia*

Melastomataceae

Volcán de Poás, 2600<sup>m</sup>, March 31, 1907. A shrub.

2047. *Miconia*

Melastomataceae

Volcán de Poás, 2600 m. March 31, 1907. A treelet.

2048. *Miconia*

Melastomataceae

Volcán de Poás, 2600 m. March 31, 1907. A treelet.

2049. *Monochaetum*

Melastomataceae

Volcán de Poás, 2600 m. March 31, 1907.

2050

Compositae

Volcán de Poás, 2600 m. March 31, 1907.

2051. *Gaultheria nitida* Benth.  
*barbata* Small n. sp.

Ericaceae

Volcán de Poás, 2600 m. March 31, 1907.

2052. *Podocarpus salicifolia*

Taxaceae

Volcán de Poás, 2400 m. March 31, 1907.

2053. *Viburnum*

Caprifoliaceae

Volcán de Poás, alt. 2300 m. March 31, 1907. A tree



2054. *Solanum pulverulentum* Pers.

Solanaceae

Volcan de Poás, 2600m.; March 31, 1907 - A treelet

2055. *Chevetia cuneifolia* Pitt. B.

Apocynaceae

Puntarenas, on sandy beaches - February 1907 - P. Brille

n. v. *Chirca venenosa*

2056. *Chevetia neriiifolia* Turpin

Apocynaceae

Puntarenas - A small tree, 3m. high - Febr. 1907 - P. Brille.

n. v. *chirca*

## Colombia

2058 *Hymenophyllum*

Around San Andrés de la Sierra, western slope of  
Cordillera de Santa Marta, 1100-1300m. State of  
Magdalena, Colombia, June 1-6, 1906

2059 *Hymenophyllum*

do do do

2060. *Dicranodontium setosum* R. S. Williams Moss

On tree trunks; upper forest zone

Paramo de Buena Vista, 3100m, January 1906

2061. *Bryum argenteum* L.

Moss

do 3000-3600m do

2062. *Funaria* (immature) prob. *calvescens*

Moss

Hills of Miraflores above Palmira, 1600-1700m  
January 1906



2063. *Funaria hygrometrica* (L.) Lillth.

Musci

Hills of Miraflores above Palmira, Cauca, Colombia

Jan, 1906

2064. *Bryum argenteum* L.

Musci

Las Escaleratas Valley, Rio Paz basin, Tierra  
Adentro, Cauca, Colombia, 2500-3000<sup>m</sup>, Feb. 1906

2065. *Elaphoglossum*

Around S. Andres de la Sierra, W. slope of  
Cord. de Sta Marta - 1100-1300m. June 1-6, 1906

2066. *Sematophyllum* (perhaps *subsimplex*) Musci  
? *Sematophyllum subsimplex* (Hedw.) Mitt.

Around San Andres de la Sierra, cordillera de Sta Marta, 1300m.  
June 1-6, 1906.

2067. *Hookeriopsis gracilis* (Mitt.) Jaeg.

"

"

2068. *Rhizogonium spiniforme*. ~~Hb~~

Musci

"

2069. *Bryopsis*

"

"

2070

"

2076 - *Panicum*



2071. *Microthamnium reptans* (Sw.) Mitt. Musci

Around San Andrés de la Sierra, Cordillera de Sta Marta, Colombia, 1300 m. June 1906.

2072

"

"

1082 - *Rhynchospora crinita* (Lam.) Engelm. Junc.

2073 *Pogonatum tortile* (Sw.) Palis.

"

"

2074

Costa Rica

Characeae

Stagnant waters along R. Zent; coastal Atlantic plains of Costa Rica. Nov. 1904. Legit R. Brong.

2076. *Luffa acutangula* Rox.

Cucurbitaceae

In meadows around Rio Frio, western foot of Cordillera de Sta Marta - July 1906.



Panama

December 31, 1910 -



Dec. 31<sup>st</sup> 1910.

2077- *Meibomia triflora* (L.) Ktze

*Papilionatae*

Rio Grande near Culebra, along railroad. Low, creeping. Stems very short. Flowers very small, blue. Stems and pods hairy.

2078- *Bradburya pubescens* (Benth.);

*Papilionatae.*

Rio Grande near Culebra, in grassy, exposed places along R.R. Trailing, stems 1-2 m. long. Fl. large, purple.

2079- *Paspalum virgatum* L.

*Graminae*

Rio Grande near Culebra. Isolated plants in grassy places.

2080- *Cenchrus viridis* Sprang.

*Graminae*

Rio Grande near Culebra. Along R.R. tracks in isolated plants.

2081- *Leptochloa virgata* Beauv.

*Graminae*

Rio Grande near Culebra. Isolated plants in grassy places.

2082- *Panicum pilosum* Sw.

*Graminae*

Rio Grande near Culebra. Stoloniferous but not caespitose. Shady places, not very abundant.

2083- *Panicum trichoides* Sw.

*Graminae*

Rio Grande near Culebra. Stoloniferous. In small colonies.

2084- *Paspalum conjugatum* Berg.

*Graminae*

Rio Grande near Culebra. Common everywhere.



Dec, 31<sup>st</sup> 1910.

2085. *Eragrostis ciliaris* Link.

Graminae

Rio Grande near Culebra - In isolated but thick tufts.

2086. *Oplismenus cristatus* Presl.

Graminae

Rio Grande near Culebra. Gregarious and covering <sup>steep</sup> sides of cuts along R.R.

2087. *Valota insularis* Chase

Graminae

Rio Grande near Culebra. In isolated tufts.

2088. *Panicum maximum* Sw.

Graminae

Rio Grande near Culebra. Large grass, with ample panicles, and growing in isolated plants.

2089. *Passiflora foetida* L. var. ?

Passifloraceae

Rio Grande near Culebra. Folia mollia, pubescentia. Flores albi, purpureo-striatae, mediocres. Collected also near Corrozal, Jan. 2, 1911. Alc. sp.

2090. *Schultheisia lisianthoides* (Griseb.) Ktze

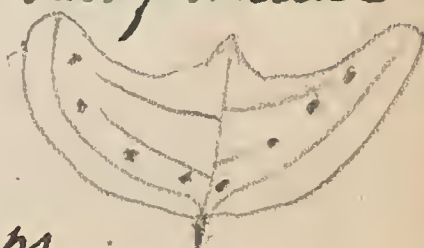
Gentianaceae

Rio Grande near Culebra. Flowers closed about noon, greenish purple.

2091. *Passiflora lunata* Willd

Passifloraceae

Rio Grande near Culebra. 6-8 glands on leaves. Flowers geminate, white.



2092. *Cissampelos pareira* L.

Menispermaceae

Rio Grande near Culebra. Climbing in bushes. Leaves peltate, spiculate, flowers greenish-white.



Dec. 31<sup>st</sup> 1910.

2093. *Meibomia supina* (L.) Britton

Papilionatae

Rio Grande near Culebra, everywhere in waste and grassy places. Flowers small, greenish purple.

2094. *Salvia occidentalis* Sw.

Labiatae

Rio Grande near Culebra, common in waste places. Flowers azure-blue.

2095. *Blechum Brownei* Juss.

Alcanthaceae

Rio Grande near Culebra, common in waste places. Flowers pale lilac.

2096. *Cassia undulata* Benth.

Leguminosae

Rio Grande near Culebra, on slopes. Scarce, prostrate; foliage dark green; stem lignose.

2097. *Elytranai squamosa* (Jacq.) Lindl.

Alcanthaceae

Rio Grande near Culebra. Waste places, apparently scarce. Fl. small, deep purple.

2098. *Selaginella*

Selaginellaceae

Rio Grande near Culebra. On steep side of R.R. cut.

2099. *Mitreola*

Loganiaceae

Rio Grande near Culebra. Waste places, scarce. Fl. white

2100. *Nelsonia humelloides* (Lam.) V. K.

Alcanthaceae

Rio Grande near Culebra. R.R. track, apparently scarce. Fl. deep purple



2101. *Melanthera deltoidea*

Compositae

Rio Grande near Culbra - Waste places, grassy talus.

2102. *Synedrella nodiflora* Gaertn.

Compositae

Rio Grande near Culbra - Waste places. Fl. axillary, yellow.

2103. *Euphorbia pilulifera* L.

Euphorbiaceae

Rio Grande near Culbra - Common in waste places.

2104. *Chamaecrista stenocarpa* (Vogel)?

Leguminosae

Rio Grande near Culbra - Waste places. Fl. yellow.

2105. *Euphorbia hypericifolia* L.

Euphorbiaceae

Rio Grande near Culbra - Common in waste places - Fl. white.

2106. *Melampodium divaricatum* (Rich.) D.C. Compositae

Rio Grande near Culbra - Common in rich ground. Fl. deep yellow.

2107. *Meibomia scorpiurus* (Desv.) Ktze.

Papilionatae

Rio Grande near Culbra - Waste places. Fl. pink.

2108.

*Schivaxaea cupheoides* (Benth.) Cogn. Melastomaceae

Rio Grande near Culbra - Common in shady places. Fl. pink.



2109. *Melochia lupulina* L.

Sterculiaceae

Rio Grande near Culebra. Subliguous. Fl. white

2110. *Achyranthes*

Conarantaceae

Rio Grande near Culebra. Waste places. Leaves soft. Spikes purple tinged.

2111. *Jussiaea erecta* L.

Lythraceae

Rio Grande near Culebra. Erect & slender. Leaves narrow.

2112. *Deschmannia americana* Poir.

Leguminosae

Rio Grande near Culebra. Main stem trailing, with many erect twigs. Fl. brown-yellow.

2113. *Indigofera mucronata* Spreng.

Leguminosae

Rio Grande near Culebra. Common in waste places. Fl. purplish red.

2114. *Elenusine indica* Gaertn.

Graminae

Rio Grande near Culebra. Common in waste places.

2115. *Luffa acutangula*

Cucurbitaceae

Rio Grande near Culebra. In grassy places, not indigenous?

2116. *Cassia tora* L.

Leguminosae

Rio Grande near Culebra. Waste places



2117-

Gramineae

December 31<sup>st</sup> 1910.

Rio Grande near Culebra. Erect, in isolated bunches.

2118. *Lasiacis swartziana* Hitchc.  
Carrizillo.

Gramineae

Rio Grande near Culebra. Trailing on bushes along creek.

2119. *Ischnanthus tenuis*

Gramineae

Rio Grande near Culebra. Gregarious on rocky <sup>shady</sup> slopes along creek.

2120. *Chloris paraguayensis* Steud.

Gramineae

Rio Grande near Culebra. Common along R.R.

2121. *Chaetochloa amplifolia*

Gramineae

Rio Grande near Culebra. Large bunches in bushes.

2122. *Scleria melaleuca* Robt.

Cyperaceae

Rio Grande near Culebra. Bushes along creek.

2123. ~~*Clidemia*~~

*Tibouchina longifolia* (Vahl) Baill.

Melastomaceae

Rio Grande near Culebra. Along creek, in cool places. Fl. white.

2124. *Kohleria tubiflora*  
(Cav.) Hausskn.

Gesneraceae

Rio Grande near Culebra. On hanging rocks along creek. fl. fire red, with dark spots along margin, inside.



2125. *Ruellia Garmentosa*

Scrophulariaceae

Rio Grande near Culbra. On sunny slopes along creek.

2126. *Meibomia spiralis* Sw.

Leguminosae

Rio Grande near Culbra. In bushes along creek.

2127. *Clusia biflora* L.

Compositae

Rio Grande near Culbra. Waste places.

2128. *Triumfetta hispida* A. Rich.

Tiliaceae

Rio Grande near Culbra. Bushes along creek.

2129. *Eupatorium*

Compositae

Rio Grande near Culbra. Common in bushes.

2130. *Selaginella*

Selaginellaceae

Rio Grande near Culbra. Rocky slopes along creek.

2131. *Cissus*

Ampelideae

Rio Grande near Culbra. On rocks along creek. Fl. greenish-yellow.

2132. *Jaquemontia Perryana* (Duckess. & Walp.) Convolvulaceae  
(det. D.S.);

Rio Grande near Culbra, creeping on bushes. Flowers white, open all day. Corolla hirsute outside.



2133. *Gouania*

2134. *Solanum scaberrimum* Vahl

2135. *Malachra fasciata* Jacq.

Malvaceae

2136. *Serjania rhombica* Radl.

Sapindaceae

2137. *Helicteres guarumaeifolia* H.B.K.

Celastraceae

2138. *Mikania*

Compositae

2139. *Mucuna altissima* (Jacq.) D.C.

Oja de venado

Papilionatae

2140. *Pavonia paniculata* Cav.

Malvaceae

December 31<sup>st</sup> 1910.

Rio Grande near Culebra, in bushes.

Rio Grande near Culebra. Trailing on bushes, flowers purplish white.

Rio Grande near Culebra. Along trail, only 1 plant. Fl. white.

Rio Grande near Culebra. A trailing vine.

Rio Grande near Culebra, in bushes.

Rio Grande near Culebra

↓  
vine twining on bushes; fl. white.

Rio Grande near Culebra. Trailing on bushes.

Culebra, on edge of the cut. A bush 2-3 m. high. Fl. yellow.



2141. *Luchea platypetala* A. Rich.

Ciliaceae

Jan. 1<sup>st</sup> 1911

Around Culebra, in pastures. Middle sized or small tree. Fl. large, white. <sup>low.</sup>  
Attacked by scale insects.

2142. *Meibomia barbata* (L.) Ktze

Papilionatae

Around Culebra, in pastures. Subfrutescent, decumbent. Fl. purplish pink. <sup>low.</sup>

2143. *Solanum*

Solanaceae

Around Culebra, in bushes, apparently common. Fl. large, purple.

2144. *Persea gratissima* Gaertn.

Lauraceae

Around Culebra, semi-cultivated.

Agua cate (fl. in alcohol)

2145. *Triumfetta heterophylla* Lam.

Ciliaceae

Around Culebra, common in bushes.

2146. *Piper marginatum* Jacq.

Piperaceae

Around Culebra, a bush or small tree, apparently common.

2147. *Eupatorium Sinclairii* Benth.

Compositae

Around Culebra, along roads, in waste places and in pastures.

2148. *Dioclea guianensis* Benth.

Leguminosae

Purple, showy flowers in long spikes, common in bushes everywhere  
Around Culebra



2149. *Peltaea ovata* (Presl.) Handl.

Malvaceae

2150. *Phryganocydia corymbosa* Bur.

Bignoniaceae

2151. *Jacquemontia pentanthera* Convolvulaceae  
(Jacq.) Don

2152. *Cosmos caudatus* HBK. Compositae

2153. *Delechia filifolia* Lam.

Euphorbiaceae

2154. *Bombax Barrigoni* (Lam.)

Bombacaceae

2155. *Stachytarpheta cayennensis* Verbenaceae  
(Rich.) Vahl

2156. ~~Melothria~~

*Elaterium longiflorum* Cogn. Cucurbitaceae

Jan. 1<sup>st</sup>, 1916

Around Culebra, in bushes. Frutes  $\pm$  1.50 high., with divaricate twigs, flw.  
Flowers campanulate or rather obconical, sulphur-yellow. Fruits simulating  
a flower.

Around Culebra, in bushes. Calyx whitish, spatheform, persistent. Fl. light purple.

Around Culebra, trailing on bushes everywhere.

Around Culebra, near cultivated and in waste places. Fl. pink.

Around Culebra, trailing on bushes. Spathe 3-cuspidate. Nectar always  
overflowing in large nectaries.

Around Culebra, large trees in pastures and forest. Leafless at  
anthesis. Flowers white. Calyx 5 divisions, corolla 0? Trunk senticose.

Around Culebra, along roads and in waste places. Fl. deep purple. Dissection  
n° 1.

Around Culebra, in waste places. Fl. golden-yellow.



2157. *Conostegia speciosa* Naud. Melastomataceae

2158. *Combretum superbum* Pittier

Combretaceae

2159. *Malachra alceifolia* Jacq.

Melvoaceae

2160. *Philonotis tenella* (L.M.) Besch.

Musci

2161. *Vesicularia vesicularis* (Schwaegr.) Broth. Musci

2162. *Lycopodium*

Lycopodiaceae

2163. *Sagittaria lancifolia* L.

Alismataceae

2164

Compositae

Jan. 1<sup>st</sup> 1911.

Around Culebra, in bushes. Corolla rotacea, pale pink. Petals deep purple.

Around Culebra in bushes. Creep 2-3 m. half trailing. Fl. greenish-yellow.

Around Culebra, around houses. About 5 fl. to the glomerules, attached on the bracts.

Along Rio Grande Creek near Culebra - Dec. 31, 1910.

Around Culebra, along a rivulet - Jan. 1<sup>st</sup> 1910.

Jan. 2<sup>d</sup> 1911.

Between Coozamal and Panama, on sides of cuts.

Between Coozamal and Panama, in ditches. Plant small. Fl. white.

Between Coozamal and Panama, in bushes. Single stems. 2-3 m. high, ending in a divaricate panicle.



DONALD R. TAYLOR  
DRAWER DD  
WILLIAMSBURG, VIRGINIA  
23185

MR. JOHN DAVID KORPI

2165. *Stylosanthes guianensis* Sw.

*Papilionatae*

2166. *Capriola Dactylon* Kunze.

*Graminae*

2167. *Chloris paraguayensis*

*Graminae*

2168. *Panicum geminatum* Forst.

*Graminae*

2169. *Panicum* <sup>*haenkeanum Presl.*</sup> ~~*crostarriconse Hausskn.*~~

*Graminae*

2170. *Panicum geminatum* Forst.

*Graminae*

2171. *Cordia riparia* H. B. K.

*Borraginaceae*

2172. *Eridax procumbens* L.

*Compositae*



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# PLANTS OF PANAMA

SMITHSONIAN BIOLOGICAL SURVEY OF THE PANAMA CANAL ZONE

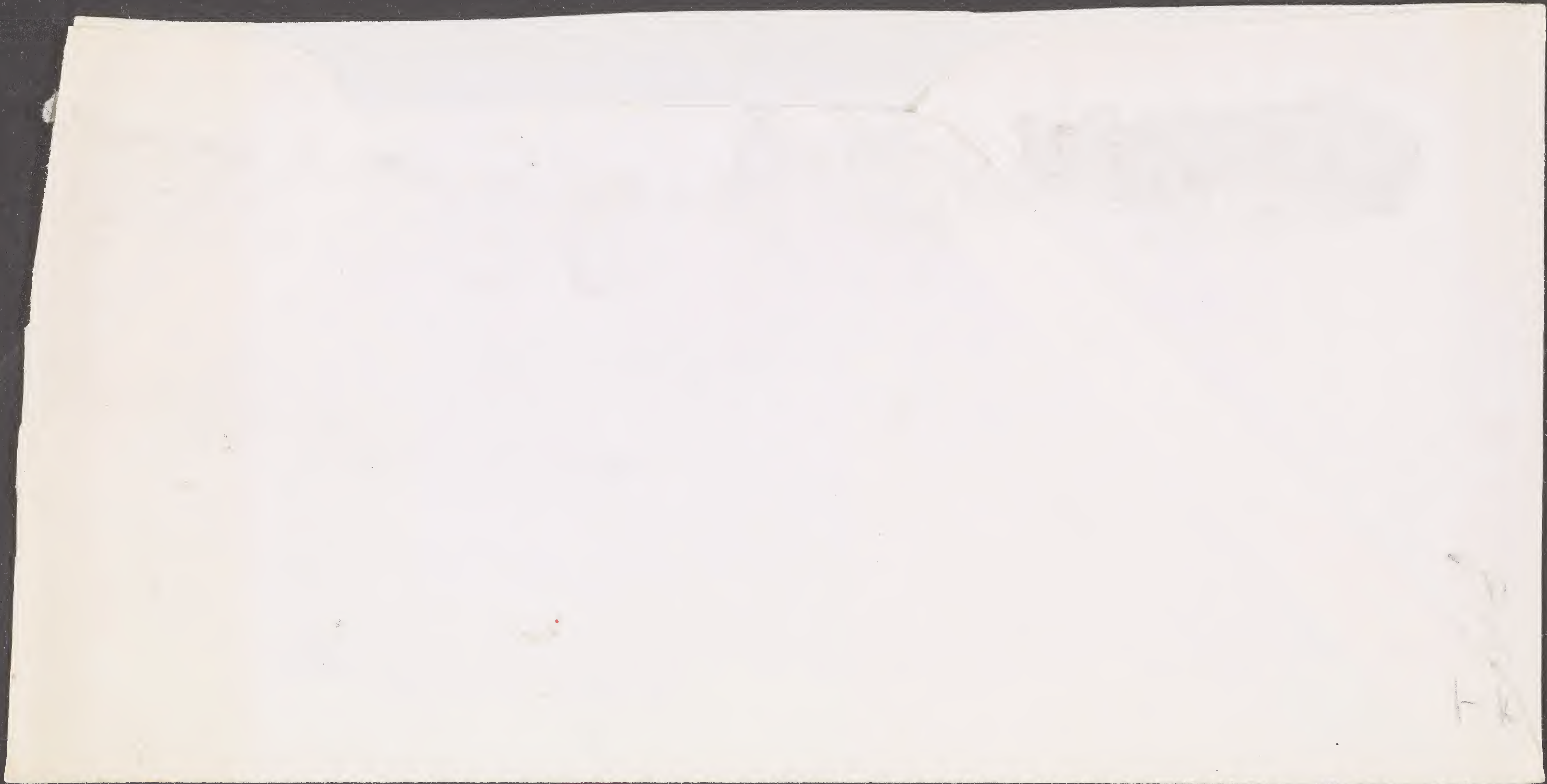
*H. Pittier*

Around Gamboa, Canal Zone; altitude 20 to 100 meters

No.

H. PITTIER, Collector







2165. *Gylosanthes guianensis* Sw.

*Papilionatae*

Jan. 2<sup>d</sup> 1911.

Between Corozal & Panama, in waste places. Tendrils brownish yellow, striated with purple lines.

2166. *Capriola Dactylon* Kunze.

*Graminae*

Between Corozal & Panama, in waste, gravelly places along tracks. A miniature *Chloris*.

2167. *Chloris paraguayensis*

*Graminae*

Between Corozal & Panama, on talus. Rather frequent.

Gla.

2168. *Panicum geminatum* Forsk.

*Graminae*

Between Corozal & Panama, around water-ditches. Culmi long, decumbent.

2169. *Panicum* <sup>*haenkeanum* Presl.</sup> ~~*costaricense* Hackeb.~~

*Graminae*

Between Corozal & Panama, in bushes. Culmi divaricate, trailing.

2170. *Panicum geminatum* Forsk.

*Graminae*

Between Corozal & Panama, around water-ditches. Perhaps same as 2168?

2171. *Cordia riparia* H. B. K.

*Borraginaceae*

Between Corozal & Panama, in wet places. Flowers greenish, inconspicuous.

2172. *Tridax procumbens* L.

*Compositae*

Between Corozal & Panama. Common everywhere, in waste places, dry and sunny.



2173. *Phaseolus longepedunculatus* Mart. Papilionatae

2174. *Calopogonium brachycarpum* Benth. Papilionatae

2175. *Canavalia ensiformis* D.C. Papilionatae

2176. *Stroclea guianensis* Benth. Papilionatae

2177. *Ipomoea triloba* L. Convolvulaceae

2178. *Lantana camara* L. Verbenaceae

2179. *Bunchosia pilosa* HBK. Malpighiaceae

2180. *Solanum* Solanaceae

Jan. 2<sup>d</sup> 1911.

Between Corrojal and Panama, in bushes and waste places. Trailing and voluble. Fl. scarce on long spikes. lie-de-vin, large, corolla violet

Between Corrojal and Panama, trailing on bushes. Fl. small, azure blue.

Between Corrojal and Panama, trailing on talus and waste places. Glan-  
ds, castipulate. Flowers large, pinkish purple.

Between Corrojal and Panama, trailing on bushes. Pubescent, flowers purple

Between Corrojal and Panama, trailing in ditches and <sup>on</sup> talus. Fl. pinkish

Between Corrojal and Panama, common everywhere.

"

Between Corrojal and Panama, in bushes. A treelet, with soft leaves carrying 2 yellowish brown glands at base of petioles. Fl. yellow.

Tinges the paper in a bluish pleasant color.

Between Corrojal and Panama. A low bush, inerm (?). Fl. white

ju



2173

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217

217

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2



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4284③



